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<120> Receptors and Membrane-Associated Proteins

<130> PF-1637 PCT

<140> To Be Assigned
<141> Herewith

<150> US 60/425,404
<151> 2002-11-12

<150> US 60/440,907
<151> 2003-01-15

<150> US 60/442,477
<151> 2003-01-24

<150> US 60/448,565
<151> 2003-02-18

<150> US 60/460,716
<151> 2003-04-04

<150> US 60/461,853
<151> 2003-04-09

<160> 98
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<210> 1
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<213> Homo sapiens

<220>
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<223> Incyte ID No: 2847449CD1

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1 5 10 15
Asn Met Thr Thr Arg Gly Glu Asp Phe Leu Tyr Lys Ser Ser Gly
20 25 30
Ala Ile Val Ala Ala Ile Val Val Val Ile Ile Ile Phe Thr
35 40 45
Val Val Leu Ile Leu Leu Lys Met Tyr Asn Arg Lys Met Arg Thr
50 55 60

Arg	Arg	Glu	Leu	Glu	Pro	Lys	Gly	Pro	Lys	Pro	Thr	Ala	Pro	Ser
					65				70					75
Ala	Val	Gly	Pro	Asn	Ser	Asn	Gly	Ser	Gln	His	Pro	Ala	Thr	Val
					80				85					90
Thr	Phe	Ser	Pro	Val	Asp	Val	Gln	Val	Glu	Thr	Arg			
					95				100					

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<213> Homo sapiens

<220>
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Met	Lys	Met	Ala	Ser	Phe	Leu	Ala	Phe	Leu	Leu	Asn	Phe	Arg	
1					5				10				15	
Val	Cys	Leu	Leu	Leu	Leu	Gln	Leu	Leu	Met	Pro	His	Ser	Gly	Arg
									20	25				30
Glu	Gln	Phe	His	Ala	Cys	Phe								
							35							

<210> 3
<211> 379
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 7521994CD1

Met	Leu	Pro	Leu	Leu	Leu	Pro	Leu	Leu	Trp	Ala	Ala	Ser	Tyr	Tyr
1									5			10		15
Gly	Tyr	Gly	Tyr	Trp	Phe	Leu	Glu	Gly	Ala	Asp	Val	Pro	Val	Ala
									20	25				30
Thr	Asn	Asp	Pro	Asp	Glu	Glu	Val	Gln	Glu	Glu	Thr	Arg	Gly	Arg
									35	40				45
Phe	His	Leu	Leu	Trp	Asp	Pro	Arg	Arg	Lys	Asn	Cys	Ser	Leu	Ser
									50	55				60
Ile	Arg	Asp	Ala	Arg	Arg	Arg	Asp	Asn	Ala	Ala	Tyr	Phe	Phe	Arg
									65	70				75
Leu	Lys	Ser	Lys	Trp	Met	Lys	Tyr	Gly	Tyr	Ala	Ser	Ser	Lys	Leu
									80	85				90
Ser	Val	Arg	Val	Met	Gly	Thr	Leu	Glu	Ser	Gly	His	Pro	Ser	Asn
					95				100					105
Leu	Thr	Cys	Ser	Val	Pro	Trp	Val	Cys	Glu	Gln	Gly	Thr	Pro	Pro
					110				115					120
Ile	Phe	Ser	Trp	Met	Ser	Ala	Ala	Pro	Thr	Ser	Leu	Gly	Pro	Arg
					125				130					135
Thr	Thr	Gln	Ser	Ser	Val	Leu	Thr	Ile	Thr	Pro	Arg	Pro	Gln	Asp
					140				145					150
His	Ser	Thr	Asn	Leu	Thr	Cys	Gln	Val	Thr	Phe	Pro	Gly	Ala	Gly
					155				160					165
Val	Thr	Met	Glu	Arg	Thr	Ile	Gln	Leu	Asn	Val	Ser	Ser	Phe	Lys
					170				175					180
Ile	Leu	Gln	Asn	Thr	Ser	Ser	Leu	Pro	Val	Leu	Glu	Gly	Gln	Ala
					185				190					195
Leu	Arg	Leu	Leu	Cys	Asp	Ala	Asp	Gly	Asn	Pro	Pro	Ala	His	Leu
					200				205					210
Ser	Trp	Phe	Gln	Gly	Phe	Pro	Ala	Leu	Asn	Ala	Thr	Pro	Ile	Ser

215	220	225
Asn Thr Gly Val Leu Glu Leu Pro Gln Val	Gly Ser Ala Glu	Glu
230	235	240
Gly Asp Phe Thr Cys Arg Ala Gln His Pro	Leu Gly Ser Leu	Gln
245	250	255
Ile Ser Leu Ser Leu Phe Val His Trp Lys	Pro Glu Gly Arg	Ala
260	265	270
Gly Gly Val Leu Gly Ala Val Trp Gly Ala	Ser Ile Thr Thr	Leu
275	280	285
Val Phe Leu Cys Val Cys Phe Ile Phe Arg	Val Lys Thr Arg	Arg
290	295	300
Lys Lys Ala Ala Gln Pro Val Gln Asn Thr	Asp Asp Val Asn	Pro
305	310	315
Val Met Val Ser Gly Ser Arg Gly His Gln	His Gln Phe Gln	Thr
320	325	330
Gly Ile Val Ser Asp His Pro Ala Glu Ala	Gly Pro Ile Ser	Glu
335	340	345
Asp Glu Gln Glu Leu His Tyr Ala Val Leu	His Phe His Lys	Val
350	355	360
Gln Pro Gln Glu Pro Lys Val Thr Asp Thr	Glu Tyr Ser Glu	Ile
365	370	375
Lys Ile His Lys		

<210> 4
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
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400	4		
Met Glu Gly His Val Tyr Trp Thr Asp Asp	Glu Val Trp Ala Ile		
1	5	10	15
Arg Arg Ala Tyr Leu Asp Gly Ser Gly Ala	Gln Thr Leu Ile Asn		
20	25	30	
Thr Lys Ile Asn Asp Pro Asp Asp Ile Ala	Val Asn Trp Val Ala		
35	40	45	
Arg Ser Leu Tyr Trp Thr His Thr Gly Thr	Glu His Ile Glu Val		
50	55	60	
Thr Cys Leu Asn Ser Thr Ser His Lys Ile	Leu Val Ser Glu Asp		
65	70	75	
Met Asp Glu Pro Arg Ala Ile Ala Leu His	Pro Glu Met Gly Arg		
80	85	90	
Ser Val Ser Met Arg Arg Gly Arg Pro Ser			
95	100		

<210> 5
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7522336CD1

400	5		
Met Gln Asp Glu Glu Arg Tyr Met Thr Leu	Asn Val Gln Ser Lys		
1	5	10	15
Lys Arg Ser Ser Ala Gln Thr Ser Gln Leu	Thr Phe Lys Asp Tyr		
20	25	30	

Ser Val Thr Leu His Trp Tyr Lys Ile Leu Leu Gly Ile Ser Gly
 35 40 45
 Thr Val Asn Gly Ile Leu Thr Leu Thr Leu Ile Ser Leu Ile Leu
 50 55 60
 Leu Val Ser Gln Gly Val Leu Leu Lys Cys Gln Lys Gly Ser Cys
 65 70 75
 Ser Asn Ala Thr Gln Tyr Glu Asp Thr Gly Asp Leu Lys Val Asn
 80 85 90
 Asn Gly Thr Arg Arg Asn Ile Ser Asn Lys Asp Leu Cys Ala Ser
 95 100 105
 Arg Ser Ala Asp Gln Thr Gly Phe Tyr Thr Glu Lys Pro Lys Thr
 110 115 120
 Ile Lys Leu Arg Met Asp Trp Ala
 125

<210> 6
 <211> 121
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522339CD1

<400> 6
 Met Gly Thr Ala Ser Arg Ser Asn Ile Ala Arg His Leu Gln Thr
 1 5 10 15
 Asn Leu Ile Leu Phe Cys Val Glu Ile Lys Leu Leu Ser Lys Glu
 20 25 30
 Leu Arg Ser Phe Leu Thr Ala Leu Val Ser Leu Leu Ser Val Tyr
 35 40 45
 Val Thr Gly Val Cys Val Ala Phe Ile Leu Leu Ser Lys Ser Lys
 50 55 60
 Ser Asn Pro Leu Arg Asn Lys Glu Ile Lys Glu Asp Ser Gln Lys
 65 70 75
 Lys Lys Ser Ala Arg Arg Ile Phe Gln Glu Ile Ala Gln Glu Leu
 80 85 90
 Tyr His Lys Arg His Val Glu Thr Asn Gln Gln Ser Glu Lys Asp
 95 100 105
 Asn Asn Thr Tyr Glu Asn Arg Arg Val Leu Ser Asn Tyr Glu Arg
 110 115 120
 Pro

<210> 7
 <211> 183
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522361CD1

<400> 7
 Met Gly Thr Ala Ser Arg Ser Asn Ile Ala Arg His Leu Gln Thr
 1 5 10 15
 Asn Leu Ile Leu Phe Cys Val Gly Ala Val Gly Ala Cys Thr Leu
 20 25 30
 Ser Val Thr Gln Pro Trp Tyr Leu Glu Val Asp Tyr Thr His Glu
 35 40 45
 Ala Val Thr Ile Lys Cys Thr Phe Ser Ala Thr Gly Cys Pro Ser
 50 55 60
 Glu Gln Pro Thr Cys Leu Trp Phe Arg Tyr Gly Ala His Gln Pro

65	70	75
Glu Asn Leu Cys Leu Asp Gly Cys Lys	Ile Lys Leu Leu Ser	
80	85	90
Lys Glu Leu Arg Ser Phe Leu Thr Ala	Leu Val Ser Leu Leu Ser	
95	100	105
Val Tyr Val Thr Gly Val Cys Val Ala	Phe Ile Leu Leu Ser	Lys
110	115	120
Ser Lys Ser Asn Pro Leu Arg Asn Lys	Glu Ile Lys Glu Asp	Ser
125	130	135
Gln Lys Lys Lys Ser Ala Arg Arg Ile	Phe Gln Glu Ile Ala	Gln
140	145	150
Glu Leu Tyr His Lys Arg His Val Glu	Thr Asn Gln Gln Ser	Glu
155	160	165
Lys Asp Asn Asn Thr Tyr Glu Asn Arg	Arg Val Leu Ser Asn	Tyr
170	175	180
Glu Arg Pro		

<210> 8
 <211> 181
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522368CD1

400	8		
Met Gln Asp Glu Glu Arg Tyr Met Thr Leu Asn Val Gln Ser Lys			
1	5	10	15
Lys Arg Ser Ser Ala Gln Thr Ser Gln Leu Thr Phe Lys Asp Tyr			
20	25		30
Ser Val Thr Leu His Trp Tyr Lys Ile Leu Leu Gly Ile Ser Gly			
35	40		45
Thr Val Asn Gly Ile Leu Thr Leu Thr Leu Ile Ser Leu Ile Leu			
50	55		60
Leu Val Leu Cys Gln Ser Glu Trp Leu Lys Tyr Gln Gly Lys Cys			
65	70		75
Tyr Trp Phe Ser Asn Glu Met Lys Ser Trp Ser Asp Ser Tyr Val			
80	85		90
Tyr Cys Leu Glu Arg Lys Ser His Leu Leu Ile Ile His Asp Gln			
95	100		105
Leu Glu Met Ala Phe Ile Gln Lys Asn Leu Arg Gln Leu Asn Tyr			
110	115		120
Val Trp Ile Gly Leu Asn Phe Thr Ser Leu Lys Met Thr Trp Thr			
125	130		135
Trp Val Asp Gly Ser Pro Ile Asp Ser Lys Ile Phe Phe Val Lys			
140	145		150
Gly Pro Ala Lys Glu Asn Ser Cys Ala Ala Ile Lys Glu Ser Lys			
155	160		165
Ile Phe Ser Glu Thr Cys Ser Ser Val Phe Lys Trp Ile Cys Gln			
170	175		180
Tyr			

<210> 9
 <211> 85
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522373CD1

<400> 9

Met Gln Asp Glu Glu Arg Tyr Met Thr Leu Asn Val Gln Ser Lys
 1 5 10 15
 Lys Arg Ser Ser Ala Gln Thr Ser Gln Leu Thr Phe Lys Asp Tyr
 20 25 30
 Ser Val Thr Leu His Trp Tyr Lys Ile Leu Leu Gly Ile Ser Gly
 35 40 45
 Thr Val Asn Gly Ile Leu Thr Leu Thr Leu Ile Ser Leu Ile Leu
 50 55 60
 Leu Val Leu Tyr Ser Ser Phe Ser Gly Ser Ile Ala Lys Met Pro
 65 70 75
 Lys Arg Lys Leu Phe Lys Cys His Ser Val
 80 85

<210> 10

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7522381CD1

<400> 10

Met Gln Asp Glu Glu Arg Tyr Met Thr Leu Asn Val Gln Ser Lys
 1 5 10 15
 Lys Arg Ser Ser Ala Gln Thr Ser Gln Leu Thr Phe Lys Asp Tyr
 20 25 30
 Ser Val Thr Leu His Trp Tyr Lys Ile Leu Leu Gly Ile Ser Gly
 35 40 45
 Thr Val Asn Gly Ile Leu Thr Leu Thr Leu Ile Ser Leu Ile Leu
 50 55 60
 Leu Gly Ser Ile Ala Lys Met Pro Lys Arg Lys Leu Phe Lys Cys
 65 70 75
 His Ser Val

<210> 11

<211> 332

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523596CD1

<400> 11

Met Lys Met Ala Ser Phe Leu Ala Phe Leu Leu Asn Phe Arg
 1 5 10 15
 Val Cys Leu Leu Leu Leu Gln Leu Leu Met Pro His Ser Ala Gln
 20 25 30
 Phe Ser Val Leu Gly Pro Ser Gly Pro Ile Leu Ala Met Val Gly
 35 40 45
 Glu Asp Ala Asp Leu Pro Cys His Leu Phe Pro Thr Met Ser Ala
 50 55 60
 Glu Thr Met Glu Leu Lys Trp Val Ser Ser Ser Leu Arg Gln Val
 65 70 75
 Val Asn Val Tyr Ala Asp Gly Lys Glu Val Glu Asp Arg Gln Ser
 80 85 90
 Ala Pro Tyr Arg Gly Arg Thr Ser Ile Leu Arg Asp Gly Ile Thr
 95 100 105
 Ala Gly Lys Ala Ala Leu Arg Ile His Asn Val Thr Ala Ser Asp
 110 115 120

Ser Gly Lys Tyr Leu Cys Tyr Phe Gln Asp Gly Asp Phe Tyr Glu
 125 130 135
 Lys Ala Leu Val Glu Leu Lys Val Ala Ala Leu Gly Ser Asp Leu
 140 145 150
 His Val Asp Val Lys Gly Tyr Lys Asp Gly Gly Ile His Leu Glu
 155 160 165
 Cys Arg Ser Thr Gly Trp Tyr Pro Gln Pro Gln Ile Gln Trp Ser
 170 175 180
 Asn Asn Lys Gly Glu Asn Ile Pro Thr Val Glu Ala Pro Val Val
 185 190 195
 Ala Asp Gly Val Gly Leu Tyr Ala Val Ala Ala Ser Val Ile Met
 200 205 210
 Arg Gly Ser Ser Gly Glu Gly Val Ser Cys Thr Ile Arg Ser Ser
 215 220 225
 Leu Leu Gly Leu Glu Lys Thr Ala Ser Ile Ser Ile Ala Asp Pro
 230 235 240
 Phe Phe Arg Ser Ala Gln Arg Trp Ile Ala Ala Leu Ala Gly Thr
 245 250 255
 Leu Pro Val Leu Leu Leu Leu Gly Gly Ala Gly Tyr Phe Leu
 260 265 270
 Trp Gln Gln Gln Glu Glu Lys Lys Thr Gln Phe Arg Lys Lys Lys
 275 280 285
 Arg Glu Gln Glu Leu Arg Glu Met Ala Trp Ser Thr Met Lys Gln
 290 295 300
 Glu Gln Ser Thr Arg Val Lys Leu Leu Glu Glu Leu Ser Lys Phe
 305 310 315
 Pro Phe Pro Gln Arg Pro Arg His Val Phe Leu Ser Leu Leu Tyr
 320 325 330
 Ala Pro

<210> 12

<211> 533

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523643CD1

<400> 12

Met Asp Leu Val Leu Lys Arg Cys Leu Leu His Leu Ala Val Ile
 1 5 10 15
 Gly Ala Leu Leu Ala Val Gly Ala Thr Lys Gly Ser Gln Val Trp
 20 25 30
 Gly Gly Gln Pro Val Tyr Pro Gln Glu Thr Asp Asp Ala Cys Ile
 35 40 45
 Phe Pro Asp Gly Pro Cys Pro Ser Gly Ser Trp Ser Gln Lys
 50 55 60
 Arg Ser Phe Val Tyr Val Trp Lys Thr Trp Gly Gln Tyr Trp Gln
 65 70 75
 Val Leu Gly Gly Pro Val Ser Gly Leu Ser Ile Gly Thr Gly Arg
 80 85 90
 Ala Met Leu Gly Thr His Thr Met Glu Val Thr Val Tyr His Arg
 95 100 105
 Arg Gly Ser Arg Ser Tyr Val Pro Leu Ala His Ser Ser Ser Ala
 110 115 120
 Phe Thr Ile Thr Asp Gln Val Pro Phe Ser Val Ser Val Ser Gln
 125 130 135
 Leu Arg Ala Leu Asp Gly Gly Asn Lys His Phe Leu Arg Asn Gln
 140 145 150
 Pro Leu Thr Phe Ala Leu Gln Pro His Asp Pro Ser Gly Tyr Leu
 155 160 165

Ala Glu Ala Asp Leu Ser Tyr Thr Trp Asp Phe Gly Asp Ser Ser
 : 170 175 180
 Gly Thr Leu Ile Ser Arg Ala Leu Val Val Thr His Thr Tyr Leu
 185 190 195
 Glu Pro Gly Pro Val Thr Ala Gln Val Val Leu Gln Ala Ala Ile
 200 205 210
 Pro Leu Thr Ser Cys Gly Ser Ser Pro Val Pro Gly Thr Thr Asp
 215 220 225
 Gly His Arg Pro Thr Ala Glu Ala Pro Asn Thr Thr Ala Gly Gln
 230 235 240
 Val Pro Thr Thr Glu Val Val Gly Thr Thr Pro Gly Gln Ala Pro
 245 250 255
 Thr Ala Glu Pro Ser Gly Thr Thr Ser Val Gln Val Pro Thr Thr
 260 265 270
 Glu Val Ile Ser Thr Ala Pro Val Gln Met Pro Thr Ala Glu Ser
 275 280 285
 Thr Ala Ala Gln Val Thr Thr Thr Glu Trp Val Glu Thr Thr Ala
 290 295 300
 Arg Glu Leu Pro Ile Pro Glu Pro Glu Gly Pro Asp Ala Ser Ser
 305 310 315
 Ile Met Ser Thr Glu Ser Ile Thr Gly Ser Leu Gly Pro Leu Leu
 320 325 330
 Asp Gly Thr Ala Thr Leu Arg Leu Val Lys Arg Gln Val Pro Leu
 335 340 345
 Asp Cys Val Leu Tyr Arg Tyr Gly Ser Phe Ser Val Thr Leu Asp
 350 355 360
 Ile Val Gln Gly Ile Glu Ser Ala Glu Ile Leu Gln Ala Val Pro
 365 370 375
 Ser Gly Glu Gly Asp Ala Phe Glu Leu Thr Val Ser Cys Gln Gly
 380 385 390
 Gly Leu Pro Lys Glu Thr Cys Met Glu Ile Ser Ser Pro Gly Cys
 395 400 405
 Gln Pro Pro Ala Gln Arg Leu Cys Gln Pro Val Leu Pro Ser Pro
 410 415 420
 Ala Cys Gln Leu Val Leu His Gln Ile Leu Lys Gly Gly Ser Gly
 425 430 435
 Thr Tyr Cys Leu Asn Val Ser Leu Ala Asp Thr Asn Ser Leu Ala
 440 445 450
 Val Val Ser Thr Gln Leu Ile Met Pro Gly Gln Glu Ala Gly Leu
 455 460 465
 Gly Gln Val Pro Leu Ile Val Gly Ile Leu Leu Val Leu Met Ala
 470 475 480
 Val Val Leu Ala Ser Leu Ile Tyr Arg Arg Arg Leu Met Lys Gln
 485 490 495
 Asp Phe Ser Val Pro Gln Leu Pro His Ser Ser Ser His Trp Leu
 500 505 510
 Arg Leu Pro Arg Ile Phe Cys Ser Cys Pro Ile Gly Glu Asn Ser
 515 520 525
 Pro Leu Leu Ser Gly Gln Gln Val
 530

<210> 13
 <211> 311
 <212> PRT
 <213> Homo sapiens

<220>
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<400> 13
 Met Lys Met Ala Ser Phe Leu Ala Phe Leu Leu Leu Asn Phe Arg
 1 5 10 15

Val Cys Leu Leu Leu Gln Leu Leu Met Pro His Ser Ala Gln
 20 25 30
 Phe Ser Val Leu Gly Pro Ser Gly Pro Ile Leu Ala Met Val Gly
 35 40 45
 Glu Asp Ala Asp Leu Pro Cys His Leu Phe Pro Thr Met Ser Ala
 50 55 60
 Glu Thr Met Glu Leu Lys Trp Val Ser Ser Leu Arg Gln Val
 65 70 75
 Val Asn Val Tyr Ala Asp Gly Lys Glu Val Glu Asp Arg Gln Ser
 80 85 90
 Ala Pro Tyr Arg Gly Arg Thr Ser Ile Leu Arg Asp Gly Ile Thr
 95 100 105
 Ala Gly Lys Ala Ala Leu Arg Ile His Asn Val Thr Ala Ser Asp
 110 115 120
 Ser Gly Lys Tyr Leu Cys Tyr Phe Gln Asp Gly Asp Phe Tyr Glu
 125 130 135
 Arg Ala Leu Val Glu Leu Lys Val Ala Gly Leu Gln Gly Trp Arg
 140 145 150
 Asp Pro Ser Gly Val Gln Val His Trp Leu Val Pro Pro Thr Pro
 155 160 165
 Asn Thr Val Glu Gln Gln Gln Gly Arg Glu His Pro Asp Cys Gly
 170 175 180
 Ser Thr Cys Gly Cys Arg Arg Ser Gly Pro Val Cys Ser Ser Ser
 185 190 195
 Ile Cys Asp His Glu Arg Gln Leu Trp Gly Gly Cys Ile Leu Tyr
 200 205 210
 His Gln Lys Phe Pro Pro Arg Pro Gly Lys Asp Ser Gln His Phe
 215 220 225
 His Arg Arg Pro Leu Leu Gln Glu Arg Pro Glu Val Asp Arg Arg
 230 235 240
 Pro Gly Arg Asp Pro Ala Cys Leu Ala Ala Ala Ser Trp Gly Ser
 245 250 255
 Arg Leu Leu Pro Val Ala Thr Ala Gly Gly Lys Lys Asp Ser Val
 260 265 270
 Gln Lys Glu Lys Glu Arg Ala Arg Val Glu Arg Asn Gly Met Glu
 275 280 285
 His Asn Glu Ala Arg Thr Lys His Lys Arg Met Glu Lys Tyr Pro
 290 295 300
 Val Cys Ile Ser Gly Arg Glu Thr Phe Ser Leu
 305 310 310

<210> 14
 <211> 419
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523785CD1

<400> 14

Met Lys Met Ala Ser Phe Leu Ala Phe Leu Leu Asn Phe Arg
 1 5 10 15
 Val Cys Leu Leu Leu Leu Gln Leu Leu Met Pro His Ser Ala Gln
 20 25 30
 Phe Ser Val Leu Gly Pro Ser Gly Pro Ile Leu Ala Met Val Gly
 35 40 45
 Glu Asp Ala Asp Leu Pro Cys His Leu Phe Pro Thr Met Ser Ala
 50 55 60
 Glu Thr Met Glu Leu Lys Trp Val Ser Ser Leu Arg Gln Val
 65 70 75
 Val Asn Val Tyr Ala Asp Gly Lys Glu Val Glu Asp Arg Gln Ser
 80 85 90

Ala Pro Tyr Arg Gly Arg Thr Ser Ile Leu Arg Asp Gly Ile Thr
 95 100 105
 Ala Gly Lys Ala Ala Leu Arg Ile His Asn Val Thr Ala Ser Asp
 110 115 120
 Ser Gly Lys Tyr Leu Cys Tyr Phe Gln Asp Gly Asp Phe Tyr Glu
 125 130 135
 Lys Ala Leu Val Glu Leu Lys Val Ala Asp Pro Phe Phe Arg Ser
 140 145 150
 Ala Gln Arg Trp Ile Ala Ala Leu Ala Gly Thr Leu Pro Val Leu
 155 160 165
 Leu Leu Leu Gly Gly Ala Gly Tyr Phe Leu Trp Gln Gln Gln
 170 175 180
 Glu Glu Lys Lys Thr Gln Phe Arg Lys Lys Lys Arg Glu Gln Glu
 185 190 195
 Leu Arg Glu Met Ala Trp Ser Thr Met Lys Gln Glu Gln Ser Thr
 200 205 210
 Arg Val Lys Leu Leu Glu Glu Leu Arg Trp Arg Ser Ile Gln Tyr
 215 220 225
 Ala Ser Arg Gly Glu Arg His Ser Ala Tyr Asn Glu Trp Lys Lys
 230 235 240
 Ala Leu Phe Lys Pro Ala Asp Val Ile Leu Asp Pro Lys Thr Ala
 245 250 255
 Asn Pro Ile Leu Leu Val Ser Glu Asp Gln Arg Ser Val Gln Arg
 260 265 270
 Ala Lys Glu Pro Gln Asp Leu Pro Asp Asn Pro Glu Arg Phe Asn
 275 280 285
 Trp His Tyr Cys Val Leu Gly Cys Glu Ser Phe Ile Ser Gly Arg
 290 295 300
 His Tyr Trp Glu Val Glu Val Gly Asp Arg Lys Glu Trp His Ile
 305 310 315
 Gly Val Cys Ser Lys Asn Val Gln Arg Lys Gly Trp Val Lys Met
 320 325 330
 Thr Pro Glu Asn Gly Phe Trp Thr Met Gly Leu Thr Asp Gly Asn
 335 340 345
 Lys Tyr Arg Thr Leu Thr Glu Pro Arg Thr Asn Leu Lys Leu Pro
 350 355 360
 Lys Pro Pro Lys Lys Val Gly Val Phe Leu Asp Tyr Glu Thr Gly
 365 370 375
 Asp Ile Ser Phe Tyr Asn Ala Val Asp Gly Ser His Ile His Thr
 380 385 390
 Phe Leu Asp Val Ser Phe Ser Glu Ala Leu Tyr Pro Val Phe Arg
 395 400 405
 Ile Leu Thr Leu Glu Pro Thr Ala Leu Thr Ile Cys Pro Ala
 410 415

<210> 15
 <211> 539
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523836CD1

<400> 15
 Met Asp Arg Gly Thr Leu Pro Leu Ala Val Ala Leu Leu Leu Ala
 1 5 10 15
 Ser Cys Ser Leu Ser Pro Thr Ser Leu Ala Glu Thr Val His Cys
 20 25 30
 Asp Leu Gln Pro Val Gly Pro Glu Arg Gly Glu Val Thr Tyr Thr
 35 40 45
 Thr Ser Gln Val Ser Lys Gly Cys Val Ala Gln Ala Pro Asn Ala
 50 55 60

Ile Leu Glu Val His Val Leu Phe Leu Glu Phe Pro Thr Gly Pro
 65 70 75
 Ser Gln Leu Glu Leu Thr Leu Gln Ala Ser Lys Gln Asn Gly Thr
 80 85 90
 Trp Pro Arg Glu Val Leu Leu Val Leu Ser Val Asn Ser Ser Val
 95 100 105
 Phe Leu His Leu Gln Ala Leu Gly Ile Pro Leu His Leu Ala Tyr
 110 115 120
 Asn Ser Ser Leu Val Thr Phe Gln Glu Pro Pro Gly Val Asn Thr
 125 130 135
 Thr Glu Leu Pro Ser Phe Pro Lys Thr Gln Ile Leu Glu Trp Ala
 140 145 150
 Ala Glu Arg Gly Pro Ile Thr Ser Ala Ala Glu Leu Asn Asp Pro
 155 160 165
 Gln Ser Ile Leu Leu Arg Leu Gly Gln Ala Gln Gly Ser Leu Ser
 170 175 180
 Phe Cys Met Leu Glu Ala Ser Gln Asp Met Gly Arg Thr Leu Glu
 185 190 195
 Trp Arg Pro Arg Thr Pro Ala Leu Val Arg Gly Cys His Leu Glu
 200 205 210
 Gly Val Ala Gly His Lys Glu Ala His Ile Leu Arg Val Leu Pro
 215 220 225
 Gly His Ser Ala Gly Pro Arg Thr Val Thr Val Lys Val Glu Leu
 230 235 240
 Ser Cys Ala Pro Gly Asp Leu Asp Ala Val Leu Ile Leu Gln Gly
 245 250 255
 Pro Pro Tyr Val Ser Trp Leu Ile Asp Ala Asn His Asn Met Gln
 260 265 270
 Ile Trp Thr Thr Gly Glu Tyr Ser Phe Lys Ile Phe Pro Glu Lys
 275 280 285
 Asn Ile Arg Gly Phe Lys Leu Pro Asp Thr Pro Gln Gly Leu Leu
 290 295 300
 Gly Glu Ala Arg Met Leu Asn Ala Ser Ile Val Ala Ser Phe Val
 305 310 315
 Glu Leu Pro Leu Ala Ser Ile Val Ser Leu His Ala Ser Ser Cys
 320 325 330
 Gly Gly Arg Leu Gln Thr Ser Pro Ala Pro Ile Gln Thr Thr Pro
 335 340 345
 Pro Lys Asp Thr Cys Ser Pro Glu Leu Leu Met Ser Leu Ile Gln
 350 355 360
 Thr Lys Cys Ala Asp Asp Ala Met Thr Leu Val Leu Lys Lys Glu
 365 370 375
 Leu Val Ala His Leu Lys Cys Thr Ile Thr Gly Leu Thr Phe Trp
 380 385 390
 Asp Pro Ser Cys Glu Ala Glu Asp Arg Gly Asp Glu Phe Val Leu
 395 400 405
 Arg Ser Ala Tyr Ser Ser Cys Gly Met Gln Val Ser Ala Ser Met
 410 415 420
 Ile Ser Asn Glu Ala Val Val Asn Ile Leu Ser Ser Ser Ser Pro
 425 430 435
 Gln Arg Lys Lys Val His Cys Leu Asn Met Asp Ser Leu Ser Phe
 440 445 450
 Gln Leu Gly Leu Tyr Leu Ser Pro His Phe Leu Gln Ala Ser Asn
 455 460 465
 Thr Ile Glu Pro Gly Gln Gln Ser Phe Val Gln Glu Val His Arg
 470 475 480
 Thr Val Phe Met Arg Leu Asn Ile Ile Ser Pro Asp Leu Ser Gly
 485 490 495
 Cys Thr Ser Lys Gly Leu Val Leu Pro Ala Val Leu Gly Ile Thr
 500 505 510
 Phe Gly Ala Phe Leu Ile Gly Ala Leu Leu Thr Ala Ala Leu Trp
 515 520 525
 Tyr Ile Tyr Ser His Thr Arg Glu Tyr Pro Arg Pro Pro Gln

530

535

<210> 16
 <211> 558
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523879CD1

<400> 16

Met	Arg	Gly	Gly	Arg	Gly	Ala	Pro	Phe	Trp	Leu	Trp	Pro	Leu	Pro
1										10				15
Lys	Leu	Ala	Leu	Leu	Pro	Leu	Leu	Trp	Val	Leu	Phe	Gln	Arg	Thr
										20	25			30
Arg	Pro	Gln	Gly	Ser	Ala	Gly	Pro	Leu	Gln	Cys	Tyr	Gly	Val	Gly
										35	40			45
Pro	Leu	Gly	Asp	Leu	Asn	Cys	Ser	Trp	Glu	Pro	Leu	Gly	Asp	Leu
										50	55			60
Gly	Ala	Pro	Ser	Glu	Leu	His	Leu	Gln	Ser	Gln	Lys	Tyr	Arg	Ser
										65	70			75
Asn	Lys	Thr	Gln	Thr	Val	Ala	Val	Ala	Ala	Gly	Arg	Ser	Trp	Val
										80	85			90
Ala	Ile	Pro	Arg	Glu	Gln	Leu	Thr	Met	Ser	Asp	Lys	Leu	Leu	Val
										95	100			105
Trp	Gly	Thr	Lys	Ala	Gly	Gln	Pro	Leu	Trp	Pro	Pro	Val	Phe	Val
										110	115			120
Asn	Leu	Glu	Thr	Gln	Met	Lys	Pro	Asn	Ala	Pro	Arg	Leu	Gly	Pro
										125	130			135
Asp	Val	Asp	Phe	Ser	Glu	Asp	Asp	Pro	Leu	Glu	Ala	Thr	Val	His
										140	145			150
Trp	Ala	Pro	Pro	Thr	Trp	Pro	Ser	His	Lys	Val	Leu	Ile	Cys	Gln
										155	160			165
Phe	His	Tyr	Arg	Arg	Cys	Gln	Glu	Ala	Ala	Trp	Thr	Leu	Ala	Pro
										170	175			180
Gly	Pro	Cys	Val	Gln	Val	Ser	Tyr	Lys	Val	Trp	Phe	Trp	Val	Gly
										185	190			195
Gly	Arg	Glu	Leu	Ser	Pro	Glu	Gly	Ile	Thr	Cys	Cys	Cys	Ser	Leu
										200	205			210
Ile	Pro	Ser	Gly	Ala	Glu	Trp	Ala	Arg	Val	Ser	Ala	Val	Asn	Ala
										215	220			225
Thr	Ser	Trp	Glu	Pro	Leu	Thr	Asn	Leu	Ser	Leu	Val	Cys	Leu	Asp
										230	235			240
Ser	Ala	Ser	Ala	Pro	Arg	Ser	Val	Ala	Val	Ser	Ser	Ile	Ala	Gly
										245	250			255
Ser	Thr	Glu	Leu	Leu	Val	Ser	Trp	Gln	Pro	Gly	Pro	Gly	Glu	Pro
										260	265			270
Leu	Glu	His	Val	Val	Asp	Trp	Ala	Arg	Asp	Gly	Asp	Pro	Leu	Glu
										275	280			285
Lys	Leu	Asn	Trp	Val	Arg	Leu	Pro	Pro	Gly	Asn	Leu	Ser	Ala	Leu
										290	295			300
Leu	Pro	Gly	Asn	Phe	Thr	Val	Gly	Val	Pro	Tyr	Arg	Ile	Thr	Val
										305	310			315
Thr	Ala	Val	Ser	Ala	Ser	Gly	Leu	Ala	Ser	Ala	Ser	Ser	Val	Trp
										320	325			330
Gly	Phe	Arg	Glu	Glu	Leu	Ala	Pro	Leu	Val	Gly	Pro	Thr	Leu	Trp
										335	340			345
Arg	Leu	Gln	Asp	Ala	Pro	Pro	Gly	Thr	Pro	Ala	Ile	Ala	Trp	Gly
										350	355			360
Glu	Val	Pro	Arg	His	Gln	Leu	Arg	Gly	His	Leu	Thr	His	Tyr	Thr
										365	370			375
Leu	Cys	Ala	Gln	Ser	Gly	Thr	Ser	Pro	Ser	Val	Cys	Met	Asn	Val

380	385	390
Ser Gly Asn Thr Gln Ser Val Thr Leu Pro Asp Leu Pro Trp Ser		
395	400	405
Pro Cys Glu Leu Trp Val Thr Ala Ser Thr Ile Ala Gly Gln Gly		
410	415	420
Pro Pro Gly Pro Ile Leu Arg Leu His Leu Pro Asp Asn Thr Leu		
425	430	435
Arg Trp Lys Val Leu Pro Gly Ile Leu Phe Leu Trp Gly Leu Phe		
440	445	450
Leu Leu Gly Cys Gly Leu Ser Leu Ala Thr Ser Gly Arg Cys Tyr		
455	460	465
His Leu Arg His Lys Val Leu Pro Arg Trp Val Trp Glu Lys Val		
470	475	480
Pro Asp Pro Ala Asn Ser Ser Ser Gly Gln Pro His Met Glu Gln		
485	490	495
Val Pro Glu Ala Gln Pro Leu Gly Asp Leu Pro Ile Leu Glu Val		
500	505	510
Glu Glu Met Glu Pro Pro Pro Val Met Glu Ser Ser Gln Pro Ala		
515	520	525
Gln Ala Thr Ala Pro Leu Asp Ser Gly Tyr Glu Lys His Phe Leu		
530	535	540
Pro Thr Pro Glu Glu Leu Gly Leu Leu Gly Pro Pro Arg Pro Gln		
545	550	555
Val Leu Ala		

<210> 17
<211> 512
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7523880CD1

<400> 17

Met Glu Cys Leu Tyr Tyr Phe Leu Gly Phe Leu Leu Leu Ala Ala			
1	5	10	15
Arg Leu Pro Leu Asp Ala Ala Lys Arg Phe His Asp Val Leu Gly			
20		25	30
Asn Glu Arg Pro Ser Ala Tyr Met Arg Glu His Asn Gln Leu Asn			
35	40		45
Gly Trp Ser Ser Asp Glu Asn Asp Trp Asn Glu Lys Leu Tyr Pro			
50	55		60
Val Trp Lys Arg Gly Asp Met Arg Trp Lys Asn Ser Trp Lys Glu			
65	70		75
Ala Gly Leu Ser Ala Asp Pro Tyr Val Tyr Asn Trp Thr Ala Trp			
80	85		90
Ser Glu Asp Ser Asp Gly Glu Asn Gly Thr Gly Gln Ser His His			
95	100		105
Asn Val Phe Pro Asp Gly Lys Pro Phe Pro His His Pro Gly Trp			
110	115		120
Arg Arg Trp Asn Phe Ile Tyr Val Phe His Thr Leu Gly Gln Tyr			
125	130		135
Phe Gln Lys Leu Gly Arg Cys Ser Val Arg Val Ser Ala Asn Thr			
140	145		150
Ala Asn Val Thr Leu Gly Pro Gln Leu Met Glu Val Thr Val Tyr			
155	160		165
Arg Arg His Gly Arg Ala Tyr Val Pro Ile Ala Gln Val Lys Asp			
170	175		180
Val Tyr Val Val Thr Asp Gln Ile Pro Val Phe Val Thr Met Phe			
185	190		195
Gln Lys Asn Asp Arg Asn Ser Ser Asp Glu Thr Phe Leu Lys Asp			

200	205	210
Leu Pro Ile Met Phe Asp Val Leu Ile His Asp Pro Ser His Phe		
215	220	225
Leu Asn Tyr Ser Thr Ile Asn Tyr Lys Trp Gly Phe Gly Asp Asn		
230	235	240
Thr Gly Leu Phe Val Ser Thr Asn His Thr Val Asn His Thr Tyr		
245	250	255
Val Leu Asn Gly Thr Phe Ser Leu Asn Leu Thr Val Lys Ala Ala		
260	265	270
Ala Pro Gly Pro Cys Pro Pro Pro Pro Pro Pro Arg Pro Ser		
275	280	285
Lys Pro Thr Pro Ser Leu Gly Pro Ala Gly Asp Asn Pro Leu Glu		
290	295	300
Leu Ser Arg Ile Pro Asp Glu Asn Cys Gln Ile Asn Arg Tyr Gly		
305	310	315
His Phe Gln Ala Thr Ile Thr Ile Val Glu Gly Ile Leu Glu Val		
320	325	330
Asn Ile Ile Gln Met Thr Asp Val Leu Met Pro Val Pro Trp Pro		
335	340	345
Glu Ser Ser Leu Ile Asp Phe Val Val Thr Cys Gln Gly Ser Ile		
350	355	360
Pro Thr Glu Val Cys Thr Ile Ile Ser Asp Pro Thr Cys Glu Ile		
365	370	375
Thr Gln Asn Thr Val Cys Ser Pro Val Asp Val Asp Glu Met Cys		
380	385	390
Leu Leu Ala Val Arg Arg Thr Phe Asn Gly Ser Gly Thr Tyr Cys		
395	400	405
Val Asn Leu Thr Leu Gly Asp Asp Thr Ser Leu Ala Leu Thr Ser		
410	415	420
Thr Leu Ile Ser Val Pro Asp Arg Asp Pro Ala Ser Pro Leu Arg		
425	430	435
Met Ala Asn Ser Ala Leu Ile Ser Val Gly Cys Leu Ala Ile Phe		
440	445	450
Val Thr Val Ile Ser Leu Leu Val Tyr Lys Lys His Lys Glu Tyr		
455	460	465
Asn Pro Ile Glu Asn Ser Pro Gly Asn Val Val Arg Ser Lys Gly		
470	475	480
Leu Ser Val Phe Leu Asn Arg Ala Lys Ala Val Phe Phe Pro Gly		
485	490	495
Asn Gln Glu Lys Asp Pro Leu Leu Lys Asn Gln Glu Phe Lys Gly		
500	505	510
Val Ser		

<210> 18
 <211> 168
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523812CD1

<400> 18
 Met Val Cys Ser Leu Trp Val Leu Leu Val Ser Ser Val Leu
 1 5 10 15
 Ala Leu Glu Gly Val Leu Leu Asp Thr Thr Gly Glu Thr Ser Glu
 20 25 30
 Ile Gly Trp Leu Thr Tyr Pro Pro Gly Gly Trp Asp Glu Val Ser
 35 40 45
 Val Leu Asp Asp Gln Arg Arg Leu Thr Arg Thr Phe Glu Ala Cys
 50 55 60
 His Val Ala Gly Ala Pro Pro Gly Thr Gly Gln Asp Asn Trp Leu

65	70	75
Gln Thr His Phe Val Glu Arg Arg Gly Ala Gln Arg Ala His Ile		
80	85	90
Arg Leu His Phe Ser Val Arg Ala Cys Ser Ser Leu Gly Val Ser		
95	100	105
Gly Gly Thr Cys Arg Glu Thr Phe Thr Leu Tyr Tyr Arg Gln Ala		
110	115	120
Glu Glu Pro Asp Ser Pro Asp Ser Val Ser Ser Trp His Leu Lys		
125	130	135
Arg Trp Thr Lys Arg Arg Arg Pro Val Gly Leu Gly Gly Pro Pro		
140	145	150
Trp Trp Gln Leu Trp Ala Pro Val Trp Leu Met Gln Ser Gln Arg		
155	160	165
Arg Met Glu		

<210> 19
 <211> 291
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524026CD1

<400> 19

Met His Tyr Cys Val Leu Ser Ala Phe Leu Ile Leu His Leu Val			
1	5	10	15
Thr Val Ala Leu Ser Leu Ser Thr Cys Ser Thr Leu Asp Met Asp			
20	25		30
Gln Phe Met Arg Lys Arg Ile Glu Ala Ile Arg Gly Gln Ile Leu			
35	40		45
Ser Lys Leu Lys Leu Thr Ser Pro Pro Glu Asp Tyr Pro Glu Pro			
50	55		60
Glu Glu Val Pro Pro Glu Val Ile Ser Ile Tyr Asn Ser Thr Arg			
65	70		75
Asp Leu Leu Gln Glu Lys Ala Ser Arg Arg Ala Ala Ala Cys Glu			
80	85		90
Arg Glu Arg Ser Asp Glu Glu Tyr Tyr Ala Lys Glu Val Tyr Lys			
95	100		105
Ile Asp Met Pro Pro Phe Phe Pro Ser Glu Asn Ala Ile Pro Pro			
110	115		120
Thr Phe Tyr Arg Pro Tyr Phe Arg Ile Val Arg Phe Asp Val Ser			
125	130		135
Ala Met Glu Lys Asn Ala Ser Asn Leu Val Lys Ala Glu Phe Arg			
140	145		150
Val Phe Arg Leu Gln Asn Pro Lys Ala Arg Val Pro Glu Gln Arg			
155	160		165
Ile Glu Leu Tyr Gln Ile Leu Lys Ser Lys Asp Leu Thr Ser Pro			
170	175		180
Thr Gln Arg Tyr Ile Asp Ser Lys Val Val Lys Thr Arg Ala Glu			
185	190		195
Gly Glu Trp Leu Ser Phe Asp Val Thr Asp Ala Val His Glu Trp			
200	205		210
Leu His His Lys Asp Arg Asn Leu Gly Phe Lys Ile Ser Leu His			
215	220		225
Cys Pro Cys Cys Thr Phe Val Pro Ser Asn Asn Tyr Ile Ile Pro			
230	235		240
Asn Lys Ser Glu Glu Leu Glu Ala Arg Phe Ala Asp Leu Ser His			
245	250		255
Asn Arg Pro Thr Gly Gly Arg Ser Val Leu Trp Met Arg Pro Ile			
260	265		270
Ala Leu Glu Met Cys Arg Ile Ile Ala Tyr Val His Phe Thr			

275
 Leu Ile Ser Arg Gly Ile
 290

280

285

<210> 20
 <211> 490
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524357CD1

<400> 20
 Met Trp Thr Asn Phe Phe Lys Leu Arg Leu Phe Cys Cys Leu Leu
 1 5 10 15
 Ala Val Leu Met Val Val Val Pro Val Ile Asn Val Thr Gln Val
 20 25 30
 Glu Tyr Leu Asp His Glu Thr Val Ser Ala Thr Phe Ile Asp Ser
 35 40 45
 Ser Gly Gln Phe Val Ser Ser Gln Val Thr Gly Ile Ser Arg Asn
 50 55 60
 Pro Tyr Cys Gly Tyr Asp Gln Gln Thr Leu Ser Ser Gln Glu Arg
 65 70 75
 Met Glu Glu Asp Ser Leu Leu Ala Ala Leu His Arg Gln Val Pro
 80 85 90
 Asp Val Gly Pro Val Pro Phe Val Lys Ser Thr Asp Pro Ser Ser
 95 100 105
 Ser Tyr Phe Val Ile Leu Asn Ser Ala Ala Phe Phe Lys Val Gly
 110 115 120
 Ser Gln Leu Glu Val Leu Val His Val Gln Asp Phe Gln Arg Lys
 125 130 135
 Pro Lys Lys Tyr Gly Gly Asp Tyr Leu Gln Ala Arg Ile His Ser
 140 145 150
 Leu Lys Leu Gln Ala Gly Ala Val Gly Arg Val Val Asp Tyr Gln
 155 160 165
 Asn Gly Phe Tyr Lys Val Phe Phe Thr Leu Leu Trp Pro Gly Lys
 170 175 180
 Val Lys Val Ser Val Ser Leu Val His Pro Ser Glu Gly Ile Arg
 185 190 195
 Val Leu Gln Arg Leu Gln Glu Asp Lys Pro Asp Arg Val Tyr Phe
 200 205 210
 Lys Ser Leu Phe Arg Ser Gly Arg Ile Ser Glu Thr Thr Glu Cys
 215 220 225
 Asn Val Cys Leu Pro Gly Asn Leu Pro Leu Cys Asn Phe Thr Asp
 230 235 240
 Leu Tyr Thr Gly Glu Pro Trp Phe Cys Phe Lys Pro Lys Lys Leu
 245 250 255
 Pro Cys Ser Ser Arg Ile Thr His Phe Lys Gly Gly Tyr Leu Lys
 260 265 270
 Gly Leu Leu Thr Ala Ala Glu Ser Ala Phe Phe Gln Ser Gly Val
 275 280 285
 Asn Ile Lys Met Pro Val Asn Ser Ser Gly Pro Asp Trp Val Thr
 290 295 300
 Val Ile Pro Arg Arg Ile Lys Asp Leu Val Glu Phe Asn Leu Gly
 305 310 315
 Ser Pro Lys Asn Val Gly Pro Phe Leu Ala Val Asp Gln Lys His
 320 325 330
 Asn Ile Leu Leu Lys Tyr Arg Cys His Gly Pro Pro Ile Arg Phe
 335 340 345
 Thr Thr Val Phe Ser Asn Glu Leu His Tyr Val Ala Asn Glu Leu
 350 355 360
 Asn Gly Ile Val Gly Gly Lys Asn Thr Val Val Ala Ile Ala Val

365	370	375
Trp Ser His Phe Ser	Thr Phe Pro Leu Glu Val Tyr Ile Arg	Arg
380	385	390
Leu Arg Asn Ile Arg Arg Ala Val Val	Arg Leu Leu Asp Arg	Ser
395	400	405
Pro Lys Thr Val Val Val Ile Arg Thr	Ala Asn Ala Gln Glu	Leu
410	415	420
Gly Pro Glu Val Ser	Leu Phe Asn Ser Asp Trp Tyr Asn Phe	Gln
425	430	435
Leu Asp Thr Ile Leu Arg Arg Met Phe	Ser Gly Val Gly Val	Tyr
440	445	450
Leu Val Asp Ala Trp Glu Met Thr Leu	Ala His Tyr Leu Pro	His
455	460	465
Lys Leu His Pro Asp Glu Val Ile Val	Lys Asn Gln Leu Asp	Met
470	475	480
Phe Leu Ser Phe Val Cys Pro Leu Glu	Thr	
485	490	

<210> 21
<211> 407
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7524808CD1

<400> 21

Met Glu Pro Ala Ala Ala	Leu His Phe Ser	Leu Pro Ala Ser	Leu
1	5	10	15
Leu Leu Leu Leu Leu	Leu Leu Leu Ser	Leu Cys Ala	Leu Val
20	25		30
Ser Gly Leu Gly Ser	Lys Pro Leu Ile Glu	Ile Lys Ala Gln	Glu
35	40		45
Asp Gly Ser Ile Trp	Leu Glu Cys Ile Ser	Gly Gly Trp	Tyr Pro
50	55		60
Glu Pro Leu Thr Val	Trp Arg Asp Pro	Tyr Gly Glu	Val Val Pro
65	70		75
Ala Leu Lys Glu Val	Ser Ile Ala Asp Ala	Asp Gly Leu	Phe Met
80	85		90
Val Thr Thr Ala Val	Ile Ile Arg Asp	Lys Tyr Val Arg	Asn Val
95	100		105
Ser Cys Ser Val Asn	Asn Thr Leu Leu	Gly Gln Glu	Lys Glu Thr
110	115		120
Val Ile Phe Ile Pro	Glu Ser Phe Met	Pro Ser Ala Ser	Pro Trp
125	130		135
Met Val Ala Leu Ala	Val Ile Leu Thr	Ala Ser Pro	Trp Met Val
140	145		150
Ser Met Thr Val Ile	Leu Ala Val Phe	Ile Ile Phe	Met Ala Val
155	160		165
Ser Ile Cys Cys Ile	Lys Lys Leu Gln	Arg Glu Lys	Lys Ile Leu
170	175		180
Ser Gly Glu Lys Lys	Val Glu Gln Glu	Glu Lys Glu	Ile Ala Gln
185	190		195
Gln Leu Gln Glu	Leu Arg Trp Arg	Arg Thr Phe	Leu His Ala
200	205		210
Ala Asp Val Val	Leu Asp Pro Asp	Thr Ala His	Pro Glu Leu Phe
215	220		225
Leu Ser Glu Asp Arg	Arg Ser Val Arg	Arg Gly Pro	Tyr Arg Gln
230	235		240
Arg Val Pro Asp Asn	Pro Glu Arg Phe	Asp Ser Gln	Pro Cys Val
245	250		255
Leu Gly Trp Glu Ser	Phe Ala Ser Gly	Lys His Tyr	Trp Glu Val

260	265	270
Glu Val Glu Asn Val Met Val Trp Thr Val	Gly Val Cys Arg	His
275	280	285
Ser Val Glu Arg, Asn Gly Glu Val Leu	Leu Ile Pro Gln Asn	Gly
290	295	300
Phe Trp Thr Leu Glu Met Phe Gly Asn Gln	Tyr Arg Ala Leu	Ser
305	310	315
Ser Pro Glu Arg Ile Leu Pro Leu Lys	Glu Ser Leu Cys Arg	Val
320	325	330
Gly Val Phe Leu Asp Tyr Val Ala Gly	Asp Val Ser Phe Tyr	Asn
335	340	345
Met Arg Asp Arg Ser His Ile Tyr Thr	Cys Pro Arg Ser Ala	Phe
350	355	360
Thr Val Pro Val Arg Pro Phe Phe Arg	Leu Gly Ser Asp Asp	Ser
365	370	375
Pro Ile Phe Ile Cys Pro Ala Leu Thr	Gly Ala Ser Gly Val	Met
380	385	390
Val Pro Glu Glu Gly Leu Lys Leu His	Arg Val Gly Thr His	Gln
395	400	405
Ser Leu		

<210> 22
<211> 252
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7522161CD1

<400> 22

Met Ser Leu Trp Leu Gly Ala Pro Val Pro Asp Ile Pro Pro Asp			
1	5	10	15
Ser Ala Val Glu Leu Trp Lys Pro Gly Ala Gln Asp Ala Ser Ser			
20	25	30	
Gln Ala Gln Gly Gly Ser Ser Cys Ile Leu Arg Glu Glu Ala Arg			
35	40	45	
Met Pro His Ser Ala Gly Gly Thr Ala Gly Val Gly Leu Glu Ala			
50	55	60	
Ala Glu Pro Thr Ala Leu Leu Thr Arg Ala Glu Pro Pro Ser Glu			
65	70	75	
Pro Thr Glu Ile Arg Pro Gln Lys Arg Lys Lys Gly Pro Ala Pro			
80	85	90	
Lys Met Leu Gly Asn Glu Leu Cys Ser Val Cys Gly Asp Lys Ala			
95	100	105	
Ser Gly Phe His Tyr Asn Val Leu Ser Cys Glu Gly Cys Lys Gly			
110	115	120	
Phe Phe Arg Arg Ser Val Ile Lys Gly Ala His Tyr Ile Cys His			
125	130	135	
Ser Gly Gly His Cys Pro Met Asp Thr Tyr Met Arg Arg Lys Cys			
140	145	150	
Gln Glu Cys Arg Leu Arg Lys Cys Arg Gln Ala Gly Met Arg Glu			
155	160	165	
Glu Cys Val Leu Ser Glu Glu Gln Ile Arg Leu Lys Lys Leu Lys			
170	175	180	
Arg Gln Glu Glu Glu Gln Ala His Val Thr Ser Leu Pro Pro Arg			
185	190	195	
Ala Ser Ser Pro Pro Gln Ile Leu Pro Gln Leu Ser Pro Glu Gln			
200	205	210	
Leu Gly Met Ile Glu Lys Leu Val Ala Ala Gln Gln Gln Cys Asn			
215	220	225	
Arg Arg Ser Phe Ser Asp Arg Leu Arg Val Thr Gly Cys Lys Trp			

230	235	240
Asn Ser Ser Thr Pro Ser Ser Ser Ser Pro Gly Pro		
245	250	

<210> 23
 <211> 1473
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523999CD1

<400> 23

Met Ser Leu Leu Met Phe Thr Gln Leu Leu Leu Cys Gly Phe Leu	15	
5	10	15
Tyr Val Arg Val Asp Gly Ser Arg Leu Arg Gln Glu Asp Phe Pro		
20	25	30
Pro Arg Ile Val Glu His Pro Ser Asp Val Ile Val Ser Lys Gly		
35	40	45
Glu Pro Thr Thr Leu Asn Cys Lys Ala Glu Gly Arg Pro Thr Pro		
50	55	60
Thr Ile Glu Trp Tyr Lys Asp Gly Glu Arg Val Glu Thr Asp Lys		
65	70	75
Asp Asp Pro Arg Ser His Arg Met Leu Leu Pro Ser Gly Ser Leu		
80	85	90
Phe Phe Leu Arg Ile Val His Gly Arg Arg Ser Lys Pro Asp Glu		
95	100	105
Gly Ser Tyr Val Cys Val Ala Arg Asn Tyr Leu Gly Glu Ala Val		
110	115	120
Ser Arg Asn Ala Ser Leu Glu Val Ala Leu Leu Arg Asp Asp Phe		
125	130	135
Arg Gln Asn Pro Thr Asp Val Val Val Ala Ala Gly Glu Pro Ala		
140	145	150
Ile Leu Glu Cys Gln Pro Pro Arg Gly His Pro Glu Pro Thr Ile		
155	160	165
Tyr Trp Lys Lys Asp Lys Val Arg Ile Asp Asp Lys Glu Glu Arg		
170	175	180
Ile Ser Ile Arg Gly Gly Lys Leu Met Ile Ser Asn Thr Arg Lys		
185	190	195
Ser Asp Ala Gly Met Tyr Thr Cys Val Gly Thr Asn Met Val Gly		
200	205	210
Glu Arg Asp Ser Asp Pro Ala Glu Leu Thr Val Phe Glu Arg Pro		
215	220	225
Thr Phe Leu Arg Arg Pro Ile Asn Gln Val Val Leu Glu Glu Glu		
230	235	240
Ala Val Glu Phe Arg Cys Gln Val Gln Gly Asp Pro Gln Pro Thr		
245	250	255
Val Arg Trp Lys Lys Asp Asp Ala Asp Leu Pro Arg Gly Arg Tyr		
260	265	270
Asp Ile Lys Asp Asp Tyr Thr Leu Arg Ile Lys Lys Thr Met Ser		
275	280	285
Thr Asp Glu Gly Thr Tyr Met Cys Ile Ala Glu Asn Arg Val Gly		
290	295	300
Lys Met Glu Ala Ser Ala Thr Leu Thr Ile Arg Ala Arg Pro Val		
305	310	315
Ala Pro Pro Gln Phe Val Val Arg Pro Arg Asp Gln Ile Val Ala		
320	325	330
Gln Gly Arg Thr Val Thr Phe Pro Cys Glu Thr Lys Gly Asn Pro		
335	340	345
Gln Pro Ala Val Phe Trp Gln Lys Glu Gly Ser Gln Asn Leu Leu		
350	355	360
Phe Pro Asn Gln Pro Gln Gln Pro Asn Ser Arg Cys Ser Val Ser		

	365	370	375											
Pro	Thr	Gly	Asp	Leu	Thr	Ile	Thr	Asn	Ile	Gln	Arg	Ser	Asp	Ala
	380	385	390											
Gly	Tyr	Tyr	Ile	Cys	Gln	Ala	Leu	Thr	Val	Ala	Gly	Ser	Ile	Leu
	395	400	405											
Ala	Lys	Ala	Gln	Leu	Glu	Val	Thr	Asp	Val	Leu	Thr	Asp	Arg	Pro
	410	415	420											
Pro	Pro	Ile	Ile	Leu	Gln	Gly	Pro	Ala	Asn	Gln	Thr	Leu	Ala	Val
	425	430	435											
Asp	Gly	Thr	Ala	Leu	Leu	Lys	Cys	Lys	Ala	Thr	Gly	Asp	Pro	Leu
	440	445	450											
Pro	Val	Ile	Ser	Trp	Leu	Lys	Glu	Gly	Phe	Thr	Phe	Pro	Gly	Arg
	455	460	465											
Asp	Pro	Arg	Ala	Thr	Ile	Gln	Glu	Gln	Gly	Thr	Leu	Gln	Ile	Lys
	470	475	480											
Asn	Leu	Arg	Ile	Ser	Asp	Thr	Gly	Thr	Tyr	Thr	Cys	Val	Ala	Thr
	485	490	495											
Ser	Ser	Ser	Gly	Glu	Thr	Ser	Trp	Ser	Ala	Val	Leu	Asp	Val	Thr
	500	505	510											
Glu	Ser	Gly	Ala	Thr	Ile	Ser	Lys	Asn	Tyr	Asp	Leu	Ser	Asp	Leu
	515	520	525											
Pro	Gly	Pro	Pro	Ser	Lys	Pro	Gln	Val	Thr	Asp	Val	Thr	Lys	Asn
	530	535	540											
Ser	Val	Thr	Leu	Ser	Trp	Gln	Pro	Gly	Thr	Pro	Gly	Thr	Leu	Pro
	545	550	555											
Ala	Ser	Ala	Tyr	Ile	Ile	Glu	Ala	Phe	Ser	Gln	Ser	Val	Ser	Asn
	560	565	570											
Ser	Trp	Gln	Thr	Val	Ala	Asn	His	Val	Lys	Thr	Thr	Leu	Tyr	Thr
	575	580	585											
Val	Arg	Gly	Leu	Arg	Pro	Asn	Thr	Ile	Tyr	Leu	Phe	Met	Val	Arg
	590	595	600											
Ala	Ile	Asn	Pro	Gln	Gly	Leu	Ser	Asp	Pro	Ser	Pro	Met	Ser	Asp
	605	610	615											
Pro	Val	Arg	Thr	Gln	Asp	Ile	Ser	Pro	Pro	Ala	Gln	Gly	Val	Asp
	620	625	630											
His	Arg	Gln	Val	Gln	Lys	Glu	Leu	Gly	Asp	Val	Leu	Val	Arg	Leu
	635	640	645											
His	Asn	Pro	Val	Val	Leu	Thr	Pro	Thr	Thr	Val	Gln	Val	Thr	Trp
	650	655	660											
Thr	Val	Asp	Arg	Gln	Pro	Gln	Phe	Ile	Gln	Gly	Tyr	Arg	Val	Met
	665	670	675											
Tyr	Arg	Gln	Thr	Ser	Gly	Leu	Gln	Ala	Thr	Ser	Ser	Trp	Gln	Asn
	680	685	690											
Leu	Asp	Ala	Lys	Val	Pro	Thr	Glu	Arg	Ser	Ala	Val	Leu	Val	Asn
	695	700	705											
Leu	Lys	Lys	Gly	Val	Thr	Tyr	Glu	Ile	Lys	Val	Arg	Pro	Tyr	Phe
	710	715	720											
Asn	Glu	Phe	Gln	Gly	Met	Asp	Ser	Glu	Ser	Lys	Thr	Val	Arg	Thr
	725	730	735											
Thr	Glu	Glu	Ala	Pro	Ser	Ala	Pro	Pro	Gln	Ser	Val	Thr	Val	Leu
	740	745	750											
Thr	Val	Gly	Ser	Tyr	Asn	Ser	Thr	Ser	Ile	Ser	Val	Ser	Trp	Asp
	755	760	765											
Pro	Pro	Pro	Pro	Asp	His	Gln	Asn	Gly	Ile	Ile	Gln	Glu	Tyr	Lys
	770	775	780											
Ile	Trp	Cys	Leu	Gly	Asn	Glu	Thr	Arg	Phe	His	Ile	Asn	Lys	Thr
	785	790	795											
Val	Asp	Ala	Ala	Ile	Arg	Ser	Val	Ile	Ile	Gly	Gly	Leu	Phe	Pro
	800	805	810											
Gly	Ile	Gln	Tyr	Arg	Val	Glu	Val	Ala	Ala	Ser	Thr	Ser	Ala	Gly
	815	820	825											
Val	Gly	Val	Lys	Ser	Glu	Pro	Gln	Pro	Ile	Ile	Ile	Gly	Arg	Arg
	830	835	840											

Asn Glu Val Val Ile Thr Glu Asn Asn Asn Ser Ile Thr Glu Gln
 845 850 855
 Ile Thr Asp Val Val Lys Gln Pro Ala Phe Ile Ala Gly Ile Gly
 860 865 870
 Gly Ala Cys Trp Val Ile Leu Met Gly Phe Ser Ile Trp Leu Tyr
 875 880 885
 Trp Arg Arg Lys Lys Arg Lys Gly Leu Ser Asn Tyr Ala Val Thr
 890 895 900
 Phe Gln Arg Gly Asp Gly Gly Leu Met Ser Asn Gly Ser Arg Pro
 905 910 915
 Gly Leu Leu Asn Ala Gly Asp Pro Ser Tyr Pro Trp Leu Ala Asp
 920 925 930
 Ser Trp Pro Ala Thr Ser Leu Pro Val Asn Asn Ser Asn Ser Gly
 935 940 945
 Pro Asn Glu Ile Gly Asn Phe Gly Arg Gly Asp Val Leu Pro Pro
 950 955 960
 Val Pro Gly Gln Gly Asp Lys Thr Ala Thr Met Leu Ser Asp Gly
 965 970 975
 Ala Ile Tyr Ser Ser Ile Asp Phe Thr Thr Lys Thr Ser Tyr Asn
 980 985 990
 Ser Ser Ser Gln Ile Thr Gln Ala Thr Pro Tyr Ala Thr Thr Gln
 995 1000 1005
 Ile Leu His Ser Asn Ser Ile His Glu Leu Ala Val Asp Leu Pro
 1010 1015 1020
 Asp Pro Gln Trp Lys Ser Ser Ile Gln Gln Lys Thr Asp Leu Met
 1025 1030 1035
 Gly Phe Gly Tyr Ser Leu Pro Asp Gln Asn Lys Gly Asn Asn Gly
 1040 1045 1050
 Gly Lys Gly Gly Lys Lys Lys Asn Lys Asn Ser Ser Lys Pro
 1055 1060 1065
 Gln Lys Asn Asn Gly Ser Thr Trp Ala Asn Val Pro Leu Pro Pro
 1070 1075 1080
 Pro Pro Val Gln Pro Leu Pro Gly Thr Glu Leu Glu His Tyr Ala
 1085 1090 1095
 Val Glu Gln Gln Glu Asn Gly Tyr Asp Ser Asp Ser Trp Cys Pro
 1100 1105 1110
 Pro Leu Pro Val Gln Thr Tyr Leu His Gln Gly Leu Glu Asp Glu
 1115 1120 1125
 Leu Glu Glu Asp Asp Asp Arg Val Pro Thr Pro Pro Val Arg Gly
 1130 1135 1140
 Val Ala Ser Ser Pro Ala Ile Ser Phe Gly Gln Gln Ser Thr Ala
 1145 1150 1155
 Thr Leu Thr Pro Ser Pro Arg Glu Glu Met Gln Pro Met Leu Gln
 1160 1165 1170
 Ala His Leu Asp Glu Leu Thr Arg Ala Tyr Gln Phe Asp Ile Ala
 1175 1180 1185
 Lys Gln Thr Trp His Ile Gln Ser Asn Asn Gln Pro Pro Gln Pro
 1190 1195 1200
 Pro Val Pro Pro Leu Gly Tyr Val Ser Gly Ala Leu Ile Ser Asp
 1205 1210 1215
 Leu Glu Thr Asp Val Ala Asp Asp Asp Ala Asp Asp Glu Glu Glu
 1220 1225 1230
 Ala Leu Glu Ile Pro Arg Pro Leu Arg Ala Leu Asp Gln Thr Pro
 1235 1240 1245
 Gly Ser Ser Met Asp Asn Leu Asp Ser Ser Val Thr Gly Lys Ala
 1250 1255 1260
 Phe Thr Ser Ser Gln Arg Pro Arg Pro Thr Ser Pro Phe Ser Thr
 1265 1270 1275
 Asp Ser Asn Thr Ser Ala Ala Leu Ser Gln Ser Gln Arg Pro Arg
 1280 1285 1290
 Pro Thr Lys Lys His Lys Gly Gly Arg Met Asp Gln Gln Pro Ala
 1295 1300 1305
 Leu Pro His Arg Arg Glu Gly Met Thr Asp Asp Leu Pro Pro Pro

1310	1315	1320
Pro Asp Pro Pro Gly Gln Gly Leu Arg Gln Gln Ile Gly Pro		
1325	1330	1335
Ser Gln Gln Ala Gly Asn Val Glu Asn Ser Ala Glu Arg Lys Gly		
1340	1345	1350
Ser Ser Leu Glu Arg Gln His Ala Ser Ser Leu Glu Asp Thr Lys		
1355	1360	1365
Ser Ser Leu Asp Cys Pro Ala Arg Thr Ser Leu Glu Trp Gln Arg		
1370	1375	1380
Gln Thr Gln Glu Trp Ile Ser Ser Thr Glu Arg Gln Glu Asp Ile		
1385	1390	1395
Arg Lys Ala Pro His Lys Gln Gly Val Gly Ser Glu Glu Ala Leu		
1400	1405	1410
Val Pro Tyr Ser Lys Pro Ser Phe Pro Ser Pro Gly Gly His Ser		
1415	1420	1425
Ser Ser Gly Thr Ala Ser Ser Lys Gly Ser Thr Gly Pro Arg Lys		
1430	1435	1440
Thr Glu Val Leu Arg Ala Gly His Gln Arg Asn Ala Ser Asp Leu		
1445	1450	1455
Leu Asp Ile Gly Tyr Met Gly Ser Asn Ser Gln Gly Gln Phe Thr		
1460	1465	1470
Gly Glu Leu		

<210> 24
 <211> 778
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524024CD1

<400> 24

Met Lys Pro Phe Gln Leu Asp Leu Leu Phe Val Cys Phe Phe Leu			
1	5	10	15
Phe Ser Gln Glu Leu Gly Leu Gln Lys Arg Gly Cys Cys Leu Val			
20	25		30
Leu Gly Tyr Met Ala Lys Asp Lys Phe Arg Arg Met Asn Glu Gly			
35	40		45
Gln Val Tyr Ser Phe Ser Gln Gln Pro Gln Asp Gln Val Val Val			
50	55		60
Ser Gly Gln Pro Val Thr Leu Leu Cys Ala Ile Pro Glu Tyr Asp			
65	70		75
Gly Phe Val Leu Trp Ile Lys Asp Gly Leu Ala Leu Gly Val Gly			
80	85		90
Arg Asp Leu Ser Ser Tyr Pro Gln Tyr Leu Val Val Gly Asn His			
95	100		105
Leu Ser Gly Glu His His Leu Lys Ile Leu Arg Ala Glu Leu Gln			
110	115		120
Asp Asp Ala Val Tyr Glu Cys Gln Ala Ile Gln Ala Ala Ile Arg			
125	130		135
Ser Arg Pro Ala Arg Leu Thr Val Leu Val Pro Pro Asp Asp Pro			
140	145		150
Val Ile Leu Gly Gly Pro Val Ile Ser Leu Arg Ala Gly Asp Pro			
155	160		165
Leu Asn Leu Thr Cys His Ala Asp Asn Ala Lys Pro Ala Ala Ser			
170	175		180
Ile Ile Trp Leu Arg Lys Gly Glu Val Ile Asn Gly Ala Thr Tyr			
185	190		195
Ser Lys Thr Leu Leu Arg Asp Gly Lys Arg Glu Ser Ile Val Ser			
200	205		210
Thr Leu Phe Val Ser Pro Gly Asp Val Glu Asn Gly Gln Ser Ile			

215	220	225
Val Cys Arg Ala Thr Asn Lys Ala Ile Pro	Gly Gly Lys Glu Thr	
230	235	240
Ser Val Thr Ile Asp Ile Gln His Pro	Pro Leu Val Asn Leu Ser	
245	250	255
Val Glu Pro Gln Pro Val Leu Glu Asp	Asn Val Val Thr Phe His	
260	265	270
Cys Ser Ala Lys Ala Asn Pro Ala Val	Thr Gln Tyr Arg Trp Ala	
275	280	285
Lys Arg Gly Gln Ile Ile Lys Glu Ala	Ser Gly Glu Val Tyr Arg	
290	295	300
Thr Thr Val Asp Tyr Thr Tyr Phe Ser	Glu Pro Val Ser Cys Glu	
305	310	315
Val Thr Asn Ala Leu Gly Ser Thr Asn	Leu Ser Arg Ala Val Asp	
320	325	330
Val Tyr Phe Gly Pro Arg Met Thr Thr	Glu Pro Gln Ser Leu Leu	
335	340	345
Val Asp Leu Gly Ser Asp Ala Ile Phe	Ser Cys Ala Trp Thr Gly	
350	355	360
Asn Pro Ser Leu Thr Ile Val Trp Met	Lys Arg Gly Ser Gly Val	
365	370	375
Val Leu Ser Asn Glu Lys Thr Leu Thr	Leu Lys Ser Val Arg Gln	
380	385	390
Glu Asp Ala Gly Lys Tyr Val Cys Arg	Ala Val Val Pro Arg Val	
395	400	405
Gly Ala Gly Glu Arg Glu Val Thr Leu	Thr Val Asn Gly Pro Pro	
410	415	420
Ile Ile Ser Ser Thr Gln Thr Gln His	Ala Leu His Gly Glu Lys	
425	430	435
Gly Gln Ile Lys Cys Phe Ile Arg Ser	Thr Pro Pro Pro Asp Arg	
440	445	450
Ile Ala Trp Ser Trp Lys Glu Asn Val	Leu Glu Ser Gly Thr Ser	
455	460	465
Gly Arg Tyr Thr Val Glu Thr Ile Ser	Thr Glu Glu Gly Val Ile	
470	475	480
Ser Thr Leu Thr Ile Ser Asn Ile Val	Arg Ala Asp Phe Gln Thr	
485	490	495
Ile Tyr Asn Cys Thr Ala Trp Asn Ser	Phe Gly Ser Asp Thr Glu	
500	505	510
Ile Ile Arg Leu Lys Glu Gln Gly Ser	Glu Met Lys Ser Gly Ala	
515	520	525
Gly Leu Glu Ala Glu Ser Val Pro Met	Ala Val Ile Ile Gly Val	
530	535	540
Ala Val Gly Ala Gly Val Ala Phe Leu	Val Leu Met Ala Thr Ile	
545	550	555
Val Ala Phe Cys Cys Ala Arg Ser Gln	Arg Asn Leu Lys Gly Val	
560	565	570
Val Ser Ala Lys Asn Asp Ile Arg Val	Glu Ile Val His Lys Glu	
575	580	585
Pro Ala Ser Gly Arg Glu Gly Glu Glu	His Ser Thr Ile Lys Gln	
590	595	600
Leu Met Met Asp Arg Gly Glu Phe Gln	Gln Asp Ser Val Leu Lys	
605	610	615
Gln Leu Glu Val Leu Lys Glu Glu Glu	Lys Glu Phe Gln Asn Leu	
620	625	630
Lys Asp Pro Thr Asn Gly Tyr Tyr Ser	Val Asn Thr Phe Lys Glu	
635	640	645
His His Ser Thr Pro Thr Ile Ser Leu	Ser Ser Cys Gln Pro Asp	
650	655	660
Leu Arg Pro Ala Gly Lys Gln Arg Val	Pro Thr Gly Met Ser Phe	
665	670	675
Thr Asn Ile Tyr Ser Thr Leu Ser Gly	Gln Gly Arg Leu Tyr Asp	
680	685	690

Tyr	Gly	Gln	Arg	Phe	Val	Leu	Gly	Met	Gly	Ser	Ser	Ser	Ile	Glu
				695					700					705
Leu	Cys	Glu	Arg	Glu	Phe	Gln	Arg	Gly	Ser	Leu	Ser	Asp	Ser	Ser
				710					715					720
Ser	Phe	Leu	Asp	Thr	Gln	Cys	Asp	Ser	Ser	Val	Ser	Ser	Ser	Gly
				725					730					735
Lys	Gln	Asp	Gly	Tyr	Val	Gln	Phe	Asp	Lys	Ala	Ser	Lys	Ala	Ser
				740					745					750
Ala	Ser	Ser	Ser	His	His	Ser	Gln	Ser	Ser	Ser	Gln	Asn	Ser	Asp
				755					760					765
Pro	Ser	Arg	Pro	Leu	Gln	Arg	Arg	Met	Gln	Thr	His	Val		
				770					775					

<210> 25
<211> 279
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7522455CD1

<400> 25

Met	Ala	Thr	Ile	Glu	Glu	Ile	Ala	His	Gln	Ile	Ile	Glu	Gln	Gln
1			5						10					15
Met	Gly	Glu	Ile	Val	Thr	Glu	Gln	Gln	Thr	Gly	Gln	Lys	Ile	Gln
				20					25					30
Ile	Val	Thr	Ala	Leu	Asp	His	Asn	Thr	Gln	Gly	Lys	Gln	Phe	Ile
				35					40					45
Leu	Thr	Asn	His	Asp	Gly	Ser	Thr	Pro	Ser	Lys	Val	Ile	Leu	Ala
				50					55					60
Arg	Gln	Asp	Ser	Thr	Pro	Gly	Lys	Val	Phe	Leu	Thr	Thr	Pro	Asp
				65					70					75
Ala	Ala	Gly	Val	Asn	Gln	Leu	Phe	Phe	Thr	Thr	Pro	Asp	Leu	Ser
				80					85					90
Ala	Gln	His	Leu	Gln	Leu	Leu	Thr	Asp	Asn	Ser	Pro	Asp	Gln	Gly
				95					100					105
Pro	Asn	Lys	Val	Phe	Asp	Leu	Cys	Val	Val	Cys	Gly	Asp	Lys	Ala
				110					115					120
Ser	Gly	Arg	His	Tyr	Gly	Ala	Val	Thr	Cys	Glu	Gly	Cys	Lys	Gly
				125					130					135
Phe	Phe	Lys	Arg	Ser	Ile	Arg	Lys	Asn	Leu	Val	Tyr	Ser	Cys	Arg
				140					145					150
Gly	Ser	Lys	Asp	Cys	Ile	Ile	Asn	Lys	His	His	Arg	Asn	Arg	Cys
				155					160					165
Gln	Tyr	Cys	Arg	Leu	Gln	Arg	Cys	Ile	Ala	Phe	Gly	Met	Lys	Gln
				170					175					180
Asp	Ser	Val	Gln	Cys	Glu	Arg	Lys	Pro	Ile	Glu	Val	Ser	Arg	Glu
				185					190					195
Lys	Ser	Ser	Asn	Cys	Ala	Ala	Ser	Thr	Glu	Lys	Ile	Tyr	Ile	Arg
				200					205					210
Lys	Asp	Leu	Arg	Ser	Pro	Leu	Thr	Ala	Thr	Pro	Thr	Phe	Val	Thr
				215					220					225
Asp	Ser	Glu	Ser	Thr	Arg	Ser	Thr	Gly	Leu	Leu	Asp	Ser	Gly	Met
				230					235					240
Phe	Met	Asn	Ile	His	Pro	Ser	Gly	Val	Lys	Thr	Glu	Ser	Ala	Val
				245					250					255
Leu	Met	Thr	Ser	Asp	Lys	Lys	Cys	Arg	Pro	Thr	Val	Met	Phe	Gln
				260					265					270
Gly	His	Leu	Thr	Leu	Leu	Gln	Lys	His						
				275										

<210> 26

<211> 1360
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7524494CD1

<400> 26

Met	Glu	Leu	Leu	Pro	Pro	Leu	Pro	Gln	Ser	Phe	Leu	Leu	Leu	Leu	
1														15	
Leu	Leu	Pro	Ala	Lys	Pro	Ala	Ala	Gly	Glu	Asp	Trp	Gln	Cys	Pro	
				20					25					30	
Arg	Thr	Pro	Tyr	Ala	Ala	Ser	Arg	Asp	Phe	Asp	Val	Lys	Tyr	Val	
				35					40					45	
Val	Pro	Ser	Phe	Ser	Ala	Gly	Gly	Leu	Val	Gln	Ala	Met	Val	Thr	
				50					55					60	
Tyr	Glu	Gly	Asp	Arg	Asn	Glu	Gly	Ala	Val	Phe	Val	Ala	Ile	Arg	
				65					70					75	
Asn	Arg	Leu	His	Val	Leu	Gly	Pro	Asp	Leu	Lys	Ser	Val	Gln	Ser	
				80					85					90	
Leu	Ala	Thr	Gly	Pro	Ala	Gly	Asp	Pro	Gly	Cys	Gln	Thr	Cys	Ala	
				95					100					105	
Ala	Cys	Gly	Pro	Gly	Pro	His	Gly	Pro	Pro	Gly	Gly	Thr	Asp	Thr	
				110					115					120	
Lys	Val	Leu	Val	Leu	Asp	Pro	Ala	Leu	Pro	Ala	Leu	Val	Ser	Cys	
				125					130					135	
Gly	Ser	Ser	Leu	Gln	Gly	Arg	Cys	Phe	Leu	His	Asp	Leu	Glu	Pro	
				140					145					150	
Gln	Gly	Thr	Ala	Val	His	Leu	Ala	Ala	Pro	Ala	Cys	Leu	Phe	Ser	
				155					160					165	
Ala	His	His	Asn	Arg	Pro	Asp	Asp	Cys	Pro	Asp	Cys	Val	Ala	Ser	
				170					175					180	
Pro	Leu	Gly	Thr	Arg	Val	Thr	Val	Val	Glu	Gln	Gly	Gln	Ala	Ser	
				185					190					195	
Tyr	Phe	Tyr	Val	Ala	Ser	Ser	Leu	Asp	Ala	Ala	Val	Ala	Ala	Ser	
				200					205					210	
Phe	Ser	Pro	Arg	Ser	Val	Ser	Ile	Arg	Arg	Leu	Lys	Ala	Asp	Ala	
				215					220					225	
Ser	Gly	Phe	Ala	Pro	Gly	Phe	Val	Ala	Leu	Ser	Val	Leu	Pro	Lys	
				230					235					240	
His	Leu	Val	Ser	Tyr	Ser	Ile	Glu	Tyr	Val	His	Ser	Phe	His	Thr	
				245					250					255	
Gly	Ala	Phe	Val	Tyr	Phe	Leu	Thr	Val	Gln	Pro	Ala	Ser	Val	Thr	
				260					265					270	
Asp	Asp	Pro	Ser	Ala	Leu	His	Thr	Arg	Leu	Ala	Arg	Leu	Ser	Ala	
				275					280					285	
Thr	Glu	Pro	Glu	Leu	Gly	Asp	Tyr	Arg	Glu	Leu	Val	Leu	Asp	Cys	
				290					295					300	
Arg	Phe	Ala	Pro	Lys	Arg	Arg	Arg	Arg	Gly	Ala	Pro	Glu	Gly	Gly	
				305					310					315	
Gln	Pro	Tyr	Leu	Val	Leu	Arg	Val	Ala	His	Ser	Ala	Pro	Val	Gly	
				320					325					330	
Ala	Gln	Leu	Ala	Thr	Glu	Leu	Ser	Ile	Ala	Glu	Gly	Gln	Glu	Val	
				335					340					345	
Leu	Phe	Gly	Val	Phe	Val	Thr	Gly	Lys	Asp	Gly	Gly	Pro	Gly	Val	
				350					355					360	
Gly	Pro	Asn	Ser	Val	Val	Cys	Ala	Phe	Pro	Ile	Asp	Leu	Leu	Asp	
				365					370					375	
Thr	Leu	Ile	Asp	Glu	Gly	Val	Glu	Arg	Cys	Cys	Glu	Ser	Pro	Val	
				380					385					390	
His	Pro	Gly	Leu	Arg	Arg	Gly	Leu	Asp	Phe	Phe	Gln	Ser	Pro	Ser	
				395					400					405	

Phe Cys Pro Asn Pro Pro Gly Leu Glu Ala Leu Ser Pro Asn Thr
 410 415 420
 Ser Cys Arg His Phe Pro Leu Leu Val Ser Ser Ser Phe Ser Arg
 425 430 435
 Val Asp Leu Phe Asn Gly Leu Leu Gly Pro Val Gln Val Thr Ala
 440 445 450
 Leu Tyr Val Thr Arg Phe Asp Asn Val Thr Val Ala His Met Gly
 455 460 465
 Thr Met Asp Gly Arg Ile Leu Gln Val Glu Leu Val Arg Ser Leu
 470 475 480
 Asn Tyr Leu Leu Tyr Val Ser Asn Phe Ser Leu Gly Asp Ser Gly
 485 490 495
 Gln Pro Val Gln Arg Asp Val Ser Arg Leu Gly Asp His Leu Leu
 500 505 510
 Phe Ala Ser Gly Asp Gln Val Phe Gln Val Pro Ile Arg Gly Pro
 515 520 525
 Gly Cys Arg His Phe Leu Thr Cys Gly Arg Cys Leu Arg Ala Trp
 530 535 540
 His Phe Met Gly Cys Gly Trp Cys Gly Asn Met Cys Gly Gln Gln
 545 550 555
 Lys Glu Cys Pro Gly Ser Trp Gln Gln Asp His Cys Pro Pro Lys
 560 565 570
 Leu Thr Glu Phe His Pro His Ser Gly Pro Leu Arg Gly Ser Thr
 575 580 585
 Arg Leu Thr Leu Cys Gly Ser Asn Phe Tyr Leu His Pro Ser Gly
 590 595 600
 Leu Val Pro Glu Gly Thr His Gln Val Thr Val Gly Gln Ser Pro
 605 610 615
 Cys Arg Pro Leu Pro Lys Asp Ser Ser Lys Leu Arg Pro Val Pro
 620 625 630
 Arg Lys Asp Phe Val Glu Glu Phe Glu Cys Glu Leu Glu Pro Leu
 635 640 645
 Gly Thr Gln Ala Val Gly Pro Thr Asn Val Ser Leu Thr Val Thr
 650 655 660
 Asn Met Pro Pro Gly Lys His Phe Arg Val Asp Gly Thr Ser Val
 665 670 675
 Leu Arg Gly Phe Ser Phe Met Glu Pro Val Leu Ile Ala Val Gln
 680 685 690
 Pro Leu Phe Gly Pro Arg Ala Gly Gly Thr Cys Leu Thr Leu Glu
 695 700 705
 Gly Gln Ser Leu Ser Val Gly Thr Ser Arg Ala Val Leu Val Asn
 710 715 720
 Gly Thr Glu Cys Leu Leu Ala Arg Val Ser Glu Gly Gln Leu Leu
 725 730 735
 Cys Thr Thr Pro Pro Gly Ala Thr Val Ala Ser Val Pro Leu Ser
 740 745 750
 Leu Gln Val Gly Gly Ala Gln Val Pro Gly Ser Trp Thr Phe Gln
 755 760 765
 Tyr Arg Glu Asp Pro Val Val Leu Ser Ile Ser Pro Asn Cys Gly
 770 775 780
 Tyr Ile Asn Ser His Ile Thr Ile Cys Gly Gln His Leu Thr Ser
 785 790 795
 Ala Trp His Leu Val Leu Ser Phe His Asp Gly Leu Arg Ala Val
 800 805 810
 Glu Ser Arg Cys Glu Arg Gln Leu Pro Glu Gln Gln Leu Cys Arg
 815 820 825
 Leu Pro Glu Tyr Val Val Arg Asp Pro Gln Gly Trp Val Ala Gly
 830 835 840
 Asn Leu Ser Ala Arg Gly Asp Gly Ala Ala Gly Phe Thr Leu Pro
 845 850 855
 Gly Phe Arg Phe Leu Pro Pro Pro His Pro Pro Ser Ala Asn Leu
 860 865 870
 Val Pro Leu Lys Pro Glu Glu His Ala Ile Lys Phe Glu Leu Gly

875	880	885
Gln Asp Gly Ala Pro Leu Gln Val Cys Val	Asp Gly Glu Cys	His
890	895	900
Ile Leu Gly Arg Val Val Arg Pro Gly Pro	Asp Gly Val Pro	Gln
905	910	915
Ser Thr Leu Leu Gly Ile Leu Leu Pro Leu	Leu Leu Leu Val	Ala
920	925	930
Ala Leu Ala Thr Ala Leu Val Phe Ser	Tyr Trp Trp Arg Arg	Lys
935	940	945
Gln Leu Val Leu Pro Pro Asn Leu Asn	Asp Leu Ala Ser Leu	Asp
950	955	960
Gln Thr Ala Gly Ala Thr Pro Leu Pro	Ile Leu Tyr Ser Gly	Ser
965	970	975
Asp Tyr Arg Ser Gly Leu Ala Leu Pro	Ala Ile Asp Gly Leu	Asp
980	985	990
Ser Thr Thr Cys Val His Gly Ala Ser	Phe Ser Asp Ser Glu	Asp
995	1000	1005
Glu Ser Cys Val Pro Leu Leu Arg Lys	Glu Ser Ile Gln Leu	Arg
1010	1015	1020
Asp Leu Asp Ser Ala Leu Leu Ala	Glu Val Lys Asp Val	Leu Ile
1025	1030	1035
Pro His Glu Arg Val Val Thr His Ser	Asp Arg Val Ile Gly	Lys
1040	1045	1050
Gly His Phe Gly Val Val Tyr His Gly	Glu Tyr Ile Asp Gln	Ala
1055	1060	1065
Gln Asn Arg Ile Gln Cys Ala Ile Lys	Ser Leu Ser Arg Ile	Thr
1070	1075	1080
Glu Met Gln Gln Val Glu Ala Phe	Leu Arg Glu Gly Leu	Leu Met
1085	1090	1095
Arg Gly Leu Asn His Pro Asn Val	Leu Ala Leu Ile Gly	Ile Met
1100	1105	1110
Leu Pro Pro Glu Gly Leu Pro His	Val Leu Leu Pro Tyr	Met Cys
1115	1120	1125
His Gly Asp Leu Leu Gln Phe Ile	Arg Ser Pro Gln Arg Asn	Pro
1130	1135	1140
Thr Val Lys Asp Leu Ile Ser Phe	Gly Leu Gln Val Ala Arg	Gly
1145	1150	1155
Met Glu Tyr Leu Ala Glu Gln Lys	Phe Val His Arg Asp	Leu Ala
1160	1165	1170
Ala Arg Asn Cys Met Leu Asp Glu	Ser Phe Thr Val Lys	Val Ala
1175	1180	1185
Asp Phe Gly Leu Ala Arg Asp Ile	Leu Asp Arg Glu Tyr	Tyr Ser
1190	1195	1200
Val Gln Gln His Arg His Ala Arg	Leu Pro Val Lys Trp	Met Ala
1205	1210	1215
Leu Glu Ser Leu Gln Thr Tyr Arg	Phe Thr Thr Lys Ser Asp	Val
1220	1225	1230
Trp Ser Phe Gly Val Leu Leu Trp	Glu Leu Leu Thr Arg	Gly Ala
1235	1240	1245
Pro Pro Tyr Arg His Ile Asp Pro	Phe Asp Leu Thr His	Phe Leu
1250	1255	1260
Ala Gln Gly Arg Arg Leu Pro Gln	Pro Glu Tyr Cys Pro Asp	Ser
1265	1270	1275
Leu Tyr Gln Val Met Gln Gln Cys	Trp Glu Ala Asp Pro	Ala Val
1280	1285	1290
Arg Pro Thr Phe Gly Val Leu Val	Gly Glu Val Glu Gln	Ile Val
1295	1300	1305
Ser Ala Leu Leu Gly Asp His Tyr	Val Gln Leu Pro Ala	Thr Tyr
1310	1315	1320
Met Asn Leu Gly Pro Ser Thr Ser	His Glu Met Asn Val	Arg Pro
1325	1330	1335
Glu Gln Pro Gln Phe Ser Pro Met	Pro Gly Asn Val Arg	Arg Pro
1340	1345	1350

Arg Pro Leu Ser Glu Pro Pro Arg Pro Thr
 1355 1360

<210> 27
 <211> 74
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524965CD1

<400> 27
 Met Ala Gln Lys Glu Gly Gly Arg Thr Val Pro Cys Cys Ser Arg
 1 5 10 15
 Pro Lys Val Ala Ala Leu Thr Ala Gly Thr Leu Leu Leu Leu Thr
 20 25 30
 Ala Ile Gly Ala Ala Ser Trp Ala Ile Val Ala Val Leu Leu Arg
 35 40 45
 Ser Asp Gln Glu Pro Leu Tyr Pro Asp Val Gln Asn Glu Asp Gln
 50 55 60
 Arg Gly His Ala Ala Gly Glu Arg Gly Ala Arg Asn Ser Ser
 65 70

<210> 28
 <211> 694
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7525018CD1

<400> 28
 Met Glu Pro Leu Val Thr Trp Val Val Pro Leu Leu Phe Leu Phe
 1 5 10 15
 Leu Leu Ser Arg Gln Gly Ala Ala Cys Arg Thr Ser Glu Cys Cys
 20 25 30
 Phe Gln Asp Pro Pro Tyr Pro Asp Ala Asp Ser Gly Ser Ala Ser
 35 40 45
 Gly Pro Arg Asp Leu Arg Cys Tyr Arg Ile Ser Ser Asp Arg Tyr
 50 55 60
 Glu Cys Ser Trp Gln Tyr Glu Gly Pro Thr Ala Gly Val Ser His
 65 70 75
 Phe Leu Arg Cys Cys Leu Ser Ser Gly Arg Cys Cys Tyr Phe Ala
 80 85 90
 Ala Gly Ser Ala Thr Arg Leu Gln Phe Ser Asp Gln Ala Gly Val
 95 100 105
 Ser Val Leu Tyr Thr Val Thr Leu Trp Val Glu Ser Trp Ala Arg
 110 115 120
 Asn Gln Thr Glu Lys Ser Pro Glu Val Thr Leu Gln Leu Tyr Asn
 125 130 135
 Ser Val Lys Tyr Glu Pro Pro Leu Gly Asp Ile Lys Val Ser Lys
 140 145 150
 Leu Ala Gly Gln Leu Arg Met Glu Trp Glu Thr Pro Asp Asn Gln
 155 160 165
 Val Gly Ala Glu Val Gln Phe Arg His Arg Thr Pro Ser Ser Pro
 170 175 180
 Trp Lys Leu Gly Asp Cys Gly Pro Gln Asp Asp Asp Thr Glu Ser
 185 190 195
 Cys Leu Cys Pro Leu Glu Met Asn Val Ala Gln Glu Phe Gln Leu
 200 205 210
 Arg Arg Arg Gln Leu Gly Ser Gln Gly Ser Ser Trp Ser Lys Trp

215	220	225
Ser Ser Pro Val Cys Val Pro Pro Glu Asn Pro Pro Gln Pro Gln		
230	235	240
Val Arg Phe Ser Val Glu Gln Leu Gly Gln Asp Gly Arg Arg Arg		
245	250	255
Leu Thr Leu Lys Glu Gln Pro Thr Gln Leu Glu Leu Pro Glu Gly		
260	265	270
Cys Gln Gly Leu Ala Pro Gly Thr Glu Val Thr Tyr Arg Leu Gln		
275	280	285
Leu His Met Leu Ser Cys Pro Cys Lys Ala Lys Ala Thr Arg Thr		
290	295	300
Leu His Leu Gly Lys Met Pro Tyr Leu Ser Gly Ala Ala Tyr Asn		
305	310	315
Val Ala Val Ile Ser Ser Asn Gln Phe Gly Pro Gly Leu Asn Gln		
320	325	330
Thr Trp His Ile Pro Ala Asp Thr His Thr Glu Pro Val Ala Leu		
335	340	345
Asn Ile Ser Val Gly Thr Asn Gly Thr Thr Met Tyr Trp Pro Ala		
350	355	360
Arg Ala Gln Ser Met Thr Tyr Cys Ile Glu Trp Gln Pro Val Gly		
365	370	375
Gln Asp Gly Gly Leu Ala Thr Cys Ser Leu Thr Ala Pro Gln Asp		
380	385	390
Pro Asp Pro Ala Gly Met Ala Thr Tyr Ser Trp Ser Arg Glu Ser		
395	400	405
Gly Ala Met Gly Gln Glu Lys Cys Tyr Tyr Ile Thr Ile Phe Ala		
410	415	420
Ser Ala His Pro Glu Lys Leu Thr Leu Trp Ser Thr Val Leu Ser		
425	430	435
Thr Tyr His Phe Gly Gly Asn Ala Ser Ala Ala Gly Thr Pro His		
440	445	450
His Val Ser Val Lys Asn His Ser Leu Asp Ser Val Ser Val Asp		
455	460	465
Trp Ala Pro Ser Leu Leu Ser Thr Cys Pro Gly Val Leu Lys Glu		
470	475	480
Tyr Val Val Arg Cys Arg Asp Glu Asp Ser Lys Gln Val Ser Glu		
485	490	495
His Pro Val Gln Pro Thr Glu Thr Gln Val Thr Leu Ser Gly Leu		
500	505	510
Arg Ala Gly Val Ala Tyr Thr Val Gln Val Arg Ala Asp Thr Ala		
515	520	525
Trp Leu Arg Gly Val Trp Ser Gln Pro Gln Arg Phe Ser Ile Glu		
530	535	540
Val Gln Val Ser Asp Trp Leu Ile Phe Phe Ala Ser Leu Gly Ser		
545	550	555
Phe Leu Ser Ile Leu Leu Val Gly Val Leu Gly Tyr Leu Gly Leu		
560	565	570
Asn Arg Ala Ala Arg His Leu Cys Pro Pro Leu Pro Thr Pro Cys		
575	580	585
Ala Ser Ser Ala Ile Glu Phe Pro Gly Gly Lys Glu Thr Trp Gln		
590	595	600
Trp Ile Asn Pro Val Asp Phe Gln Glu Glu Ala Ser Leu Gln Glu		
605	610	615
Ala Leu Val Val Glu Met Ser Trp Asp Lys Gly Glu Arg Thr Glu		
620	625	630
Pro Leu Glu Lys Thr Glu Leu Pro Glu Gly Ala Pro Glu Leu Ala		
635	640	645
Leu Asp Thr Glu Leu Ser Leu Glu Asp Gly Asp Arg His Glu Glu		
650	655	660
Arg Leu Ser Gln Ser Gln Arg Leu Val Ile Lys His Leu Trp His		
665	670	675
Thr Gln Pro Ile Pro Ser Thr His Met Ile Pro Tyr Gln Ile Pro		
680	685	690

Thr Thr Thr Pro

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 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7516620CD1

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 Gly Ala Leu Gly Asn Arg Pro Phe Arg Ala Phe Val Val Thr Asp
 20 25 30
 Thr Thr Leu Thr His Leu Ala Val His Arg Val Thr Gly Glu Val
 35 40 45
 Phe Val Gly Ala Val Asn Arg Val Phe Lys Leu Ala Pro Asn Leu
 50 55 60
 Thr Glu Leu Arg Ala His Val Thr Gly Pro Val Glu Asp Asn Ala
 65 70 75
 Arg Cys Tyr Pro Pro Ser Met Arg Val Cys Ala His Arg Leu
 80 85 90
 Ala Pro Val Asp Asn Ile Asn Lys Leu Leu Ile Asp Tyr Ala
 95 100 105
 Ala Arg Arg Leu Val Ala Cys Gly Ser Ile Trp Gln Gly Ile Cys
 110 115 120
 Gln Phe Leu Arg Leu Asp Asp Leu Phe Lys Leu Gly Glu Pro His
 125 130 135
 His Arg Lys Glu His Tyr Leu Ser Gly Ala Gln Glu Pro Asp Ser
 140 145 150
 Met Ala Gly Val Ile Val Glu Gln Gly Gln Gly Pro Ser Lys Leu
 155 160 165
 Phe Val Gly Thr Ala Val Asp Gly Lys Ser Glu Tyr Phe Pro Thr
 170 175 180
 Leu Ser Ser Arg Lys Leu Ile Ser Asp Glu Asp Ser Ala Asp Met
 185 190 195
 Phe Ser Leu Val Tyr Gln Asp Glu Phe Val Ser Ser Gln Ile Lys
 200 205 210
 Ile Pro Ser Asp Thr Leu Ser Leu Tyr Pro Ala Phe Asp Ile Tyr
 215 220 225
 Tyr Ile Tyr Gly Phe Val Ser Ala Ser Phe Val Tyr Phe Leu Thr
 230 235 240
 Leu Gln Leu Asp Thr Gln Gln Thr Leu Leu Asp Thr Ala Gly Glu
 245 250 255
 Lys Phe Phe Thr Ser Lys Ile Val Arg Met Cys Ala Gly Asp Ser
 260 265 270
 Glu Phe Tyr Ser Tyr Val Glu Phe Pro Ile Gly Cys Ser Trp Arg
 275 280 285
 Gly Val Glu Tyr Arg Leu Val Gln Ser Ala His Leu Ala Lys Pro
 290 295 300
 Gly Leu Leu Leu Ala Gln Ala Leu Gly Val Pro Ala Asp Glu Asp
 305 310 315
 Val Leu Phe Thr Ile Phe Ser Gln Gly Gln Lys Asn Arg Ala Ser
 320 325 330
 Pro Pro Arg Gln Thr Ile Leu Cys Leu Phe Thr Leu Ser Asn Ile
 335 340 345
 Asn Ala His Ile Arg Arg Arg Ile Gln Ser Cys Tyr Arg Gly Glu
 350 355 360
 Gly Thr Leu Ala Leu Pro Trp Leu Leu Asn Lys Glu Leu Pro Cys
 365 370 375

Ile Asn Thr Pro Met Gln Ile Asn Gly Asn Phe Cys Gly Leu Val
 380 385 390
 Leu Asn Gln Pro Leu Gly Gly Leu His Val Ile Glu Gly Leu Pro
 395 400 405
 Leu Leu Ala Asp Ser Thr Asp Gly Met Ala Ser Val Ala Ala Tyr
 410 415 420
 Thr Tyr Arg Gln His Ser Val Val Phe Ile Gly Thr Arg Ser Gly
 425 430 435
 Ser Leu Lys Lys Val Arg Val Asp Gly Phe Gln Asp Ala His Leu
 440 445 450
 Tyr Glu Thr Val Pro Val Val Asp Gly Ser Pro Ile Leu Arg Asp
 455 460 465
 Leu Leu Phe Ser Pro Asp His Arg His Ile Tyr Leu Leu Ser Glu
 470 475 480
 Lys Gln Val Ser Gln Leu Pro Val Glu Thr Cys Glu Gln Tyr Gln
 485 490 495
 Ser Cys Ala Ala Cys Leu Gly Ser Gly Asp Pro His Cys Gly Trp
 500 505 510
 Cys Val Leu Arg His Arg Cys Cys Arg Glu Gly Ala Cys Leu Gly
 515 520 525
 Ala Ser Ala Pro His Gly Phe Ala Glu Glu Leu Ser Lys Cys Val
 530 535 540
 Gln Val Arg Val Arg Pro Asn Asn Val Ser Val Thr Ser Pro Gly
 545 550 555
 Val Gln Leu Thr Val Thr Leu His Asn Val Pro Asp Leu Ser Ala
 560 565 570
 Gly Val Ser Cys Ala Phe Glu Ala Ala Ala Glu Asn Glu Ala Val
 575 580 585
 Leu Leu Pro Ser Gly Glu Leu Leu Cys Pro Ser Pro Ser Leu Gln
 590 595 600
 Glu Leu Arg Ala Leu Thr Arg Gly His Gly Ala Thr Arg Thr Val
 605 610 615
 Arg Leu Gln Leu Leu Ser Lys Glu Thr Gly Val Arg Phe Ala Gly
 620 625 630
 Ala Asp Phe Val Phe Tyr Asn Cys Ser Val Leu Gln Ser Cys Met
 635 640 645
 Ser Cys Val Gly Ser Pro Tyr Pro Cys His Trp Cys Lys Tyr Arg
 650 655 660
 His Thr Cys Thr Ser Arg Pro His Glu Cys Ser Phe Gln Glu Gly
 665 670 675
 Arg Val His Ser Pro Glu Gly Cys Pro Glu Ile Leu Pro Ser Gly
 680 685 690
 Asp Leu Leu Ile Pro Val Gly Val Met Gln Pro Leu Thr Leu Arg
 695 700 705
 Ala Lys Asn Leu Pro Gln Pro Gln Ser Gly Gln Lys Asn Tyr Glu
 710 715 720
 Cys Val Val Arg Val Gln Gly Arg Gln Gln Arg Val Pro Ala Val
 725 730 735
 Arg Phe Asn Ser Ser Ser Val Gln Cys Gln Asn Ala Ser Tyr Ser
 740 745 750
 Tyr Glu Gly Asp Glu His Gly Asp Thr Glu Leu Asp Phe Ser Val
 755 760 765
 Val Trp Asp Gly Asp Phe Pro Ile Asp Lys Pro Pro Ser Phe Arg
 770 775 780
 Ala Leu Leu Tyr Lys Cys Trp Ala Gln Arg Pro Ser Cys Gly Leu
 785 790 795
 Cys Leu Lys Ala Asp Pro Arg Phe Asn Cys Gly Trp Cys Ile Ser
 800 805 810
 Glu His Arg Cys Gln Leu Arg Thr His Cys Pro Ala Pro Lys Thr
 815 820 825
 Asn Trp Met His Leu Ser Gln Lys Gly Thr Arg Cys Ser His Pro
 830 835 840
 Arg Ile Thr Gln Ile His Pro Leu Val Gly Pro Lys Glu Gly Gly

845	850	855
Thr Arg Val Thr Ile Val Gly Asp Asn	Leu Gly Leu Leu Ser	Arg
860	865	870
Glu Val Gly Leu Arg Val Ala Gly Val	Arg Cys Asn Ser Ile	Pro
875	880	885
Ala Glu Tyr Ile Ser Ala Glu Arg Ile	Val Cys Glu Met Glu	Glu
890	895	900
Ser Leu Val Pro Ser Pro Pro Gly	Pro Val Glu Leu Cys	Val
905	910	915
Gly Asp Cys Ser Ala Asp Phe Arg Thr	Gln Ser Glu Gln Val	Tyr
920	925	930
Ser Phe Val Thr Pro Thr Phe Asp Gln	Val Ser Pro Ser Arg	Gly
935	940	945
Pro Ala Ser Gly Gly Thr Arg Leu Thr	Ile Ser Gly Ser Ser	Leu
950	955	960
Asp Ala Gly Ser Arg Val Thr Val Thr	Val Arg Asp Ser Glu	Cys
965	970	975
Gln Phe Val Arg Arg Asp Ala Lys Ala	Ile Val Cys Ile Ser	Pro
980	985	990
Leu Ser Thr Leu Gly Pro Ser Gln Ala	Pro Ile Thr Leu Ala	Ile
995	1000	1005
Asp Arg Ala Asn Ile Ser Ser Pro Gly	Leu Ile Tyr Thr Tyr	Thr
1010	1015	1020
Gln Asp Pro Thr Val Thr Arg Leu Glu	Pro Thr Trp Ser Ile	Ile
1025	1030	1035
Asn Gly Ser Thr Ala Ile Thr Val Ser	Gly Thr His Leu Leu	Thr
1040	1045	1050
Val Gln Glu Pro Arg Val Arg Ala Lys	Tyr Arg Gly Ile Glu	Thr
1055	1060	1065
Thr Asn Thr Cys Gln Val Ile Asn Asp	Thr Ala Met Leu Cys	Lys
1070	1075	1080
Ala Pro Gly Ile Phe Leu Gly Arg Pro	Gln Pro Arg Ala Gln	Gly
1085	1090	1095
Glu His Pro Asp Glu Phe Gly Phe	Leu Leu Asp His Val Gln	Thr
1100	1105	1110
Ala Arg Ser Leu Asn Arg Ser Ser Phe	Thr Tyr Tyr Pro Asp	Pro
1115	1120	1125
Ser Phe Glu Pro Leu Gly Pro Ser Gly	Val Leu Asp Val Lys	Pro
1130	1135	1140
Gly Ser His Val Val Leu Lys Gly	Lys Asn Leu Ile Pro Ala	Ala
1145	1150	1155
Ala Gly Ser Ser Arg Leu Asn Tyr Thr	Val Leu Ile Gly Gly	Gln
1160	1165	1170
Pro Cys Ser Leu Thr Val Ser Asp Thr	Gln Leu Leu Cys Asp	Ser
1175	1180	1185
Pro Ser Gln Thr Gly Arg Gln Pro Val	Met Val Leu Val Gly	Gly
1190	1195	1200
Leu Glu Phe Trp Leu Gly Thr Leu His	Ile Ser Ala Glu Arg	Ala
1205	1210	1215
Leu Thr Leu Pro Ala Met Met Gly	Leu Ala Ala Gly Gly	Leu
1220	1225	1230
Leu Leu Leu Ala Ile Thr Ala Val	Leu Val Ala Tyr Lys	Arg Lys
1235	1240	1245
Thr Gln Asp Ala Asp Arg Thr Leu Lys	Arg Leu Gln Leu Gln	Met
1250	1255	1260
Asp Asn Leu Glu Ser Arg Val Ala	Leu Glu Cys Lys Glu	Ala Phe
1265	1270	1275
Ala Glu Leu Gln Thr Asp Ile Asn Glu	Leu Thr Asn His Met	Asp
1280	1285	1290
Glu Val Gln Ile Pro Phe Leu Asp Tyr	Arg Thr Tyr Ala Val	Arg
1295	1300	1305
Val Leu Phe Pro Gly Ile Glu Ala His	Pro Val Leu Lys Glu	Leu
1310	1315	1320

Asp Thr Pro Pro Asn Val Glu Lys Ala Leu Arg Leu Phe Gly Gln
 1325 1330 1335
 Leu Leu His Ser Arg Ala Phe Val Leu Thr Phe Ile His Thr Leu
 1340 1345 1350
 Glu Ala Gln Ser Ser Phe Ser Met Arg Asp Arg Gly Thr Val Ala
 1355 1360 1365
 Ser Leu Thr Met Val Ala Leu Gln Ser Arg Leu Asp Tyr Ala Thr
 1370 1375 1380
 Gly Leu Leu Lys Gln Leu Leu Ala Asp Leu Ile Glu Lys Asn Leu
 1385 1390 1395
 Glu Ser Lys Asn His Pro Lys Leu Leu Arg Arg Thr Glu Ser
 1400 1405 1410
 Val Ala Glu Lys Met Leu Thr Asn Trp Phe Thr Phe Leu Leu His
 1415 1420 1425
 Lys Phe Leu Lys Glu Cys Ala Gly Glu Pro Leu Phe Leu Leu Tyr
 1430 1435 1440
 Cys Ala Ile Lys Gln Gln Met Glu Lys Gly Pro Ile Asp Ala Ile
 1445 1450 1455
 Thr Gly Glu Ala Arg Tyr Ser Leu Ser Glu Asp Lys Leu Ile Arg
 1460 1465 1470
 Gln Gln Ile Asp Tyr Lys Thr Leu Thr Leu His Cys Val Cys Pro
 1475 1480 1485
 Glu Asn Glu Gly Ser Ala Gln Val Pro Val Lys Val Leu Asn Cys
 1490 1495 1500
 Asp Ser Ile Thr Gln Ala Lys Asp Lys Leu Leu Asp Thr Val Tyr
 1505 1510 1515
 Lys Gly Ile Pro Tyr Ser Gln Arg Pro Lys Ala Glu Asp Met Asp
 1520 1525 1530
 Leu Glu Trp Arg Gln Gly Arg Met Thr Arg Ile Ile Leu Gln Asp
 1535 1540 1545
 Glu Asp Val Thr Thr Lys Ile Glu Cys Asp Trp Lys Arg Leu Asn
 1550 1555 1560
 Ser Leu Ala His Tyr Gln Val Thr Asp Gly Ser Leu Val Ala Leu
 1565 1570 1575
 Val Pro Lys Gln Val Ser Ala Tyr Asn Met Ala Asn Ser Phe Thr
 1580 1585 1590
 Phe Thr Arg Ser Leu Ser Arg Tyr Glu Ser Leu Leu Arg Thr Ala
 1595 1600 1605
 Ser Ser Pro Asp Ser Leu Arg Ser Arg Ala Pro Met Ile Thr Pro
 1610 1615 1620
 Asp Gln Glu Thr Gly Thr Lys Leu Trp His Leu Val Lys Asn His
 1625 1630 1635
 Asp His Ala Asp His Arg Glu Gly Asp Arg Gly Ser Lys Met Val
 1640 1645 1650
 Ser Glu Ile Tyr Leu Thr Arg Leu Leu Ala Thr Lys Gly Thr Leu
 1655 1660 1665
 Gln Lys Phe Val Asp Asp Leu Phe Glu Thr Val Phe Ser Thr Ala
 1670 1675 1680
 His Arg Gly Ser Ala Leu Pro Leu Ala Ile Lys Tyr Met Phe Asp
 1685 1690 1695
 Phe Leu Asp Glu Gln Ala Asp Gln Arg Gln Ile Ser Asp Pro Asp
 1700 1705 1710
 Val Arg His Thr Trp Lys Ser Asn Trp
 1715

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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7525149CD1

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Ala	Thr	Leu	Ser	Leu	Ala	Arg	Pro	Ser	Phe	Ser	Leu	Val	Glu	Asp
				20					25				30	
Thr	Thr	Leu	Glu	Pro	Glu	Gly	Ala	Pro	Tyr	Trp	Thr	Asn	Thr	Glu
				35					40				45	
Lys	Met	Glu	Lys	Arg	Leu	His	Ala	Val	Pro	Ala	Ala	Asn	Thr	Val
				50					55				60	
Lys	Phe	Arg	Cys	Pro	Ala	Gly	Gly	Asn	Pro	Met	Pro	Thr	Met	Arg
				65					70				75	
Trp	Leu	Lys	Asn	Gly	Lys	Glu	Phe	Lys	Gln	Glu	His	Arg	Ile	Gly
				80					85				90	
Gly	Tyr	Lys	Val	Arg	Asn	Gln	His	Trp	Ser	Leu	Ile	Met	Glu	Ser
				95					100				105	
Val	Val	Pro	Ser	Asp	Lys	Gly	Asn	Tyr	Thr	Cys	Val	Val	Glu	Asn
				110					115				120	
Glu	Tyr	Gly	Ser	Ile	Asn	His	Thr	Tyr	His	Leu	Asp	Val	Val	Glu
				125					130				135	
Arg	Ser	Pro	His	Arg	Pro	Ile	Leu	Gln	Ala	Gly	Leu	Pro	Ala	Asn
				140					145				150	
Ala	Ser	Thr	Val	Val	Gly	Gly	Asp	Val	Glu	Phe	Val	Cys	Lys	Val
				155					160				165	
Tyr	Ser	Asp	Ala	Gln	Pro	His	Ile	Gln	Trp	Ile	Lys	His	Val	Glu
				170					175				180	
Lys	Asn	Gly	Ser	Lys	Tyr	Gly	Pro	Asp	Gly	Leu	Pro	Tyr	Leu	Lys
				185					190				195	
Val	Leu	Lys	Ala	Ala	Gly	Val	Asn	Thr	Thr	Asp	Lys	Glu	Ile	Glu
				200					205				210	
Val	Leu	Tyr	Ile	Arg	Asn	Val	Thr	Phe	Glu	Asp	Ala	Gly	Glu	Tyr
				215					220				225	
Thr	Cys	Leu	Ala	Gly	Asn	Ser	Ile	Gly	Ile	Ser	Phe	His	Ser	Ala
				230					235				240	
Trp	Leu	Thr	Val	Leu	Pro	Ala	Pro	Gly	Arg	Glu	Lys	Glu	Ile	Thr
				245					250				255	
Ala	Ser	Pro	Asp	Tyr	Leu	Glu	Ile	Ala	Ile	Tyr	Cys	Ile	Gly	Val
				260					265				270	
Phe	Leu	Ile	Ala	Cys	Met	Val	Val	Thr	Val	Ile	Leu	Cys	Arg	Met
				275					280				285	
Lys	Asn	Thr	Thr	Lys	Lys	Pro	Asp	Phe	Ser	Ser	'Gln	Pro	Ala	Val
				290					295				300	
His	Lys	Leu	Thr	Lys	Arg	Ile	Pro	Leu	Arg	Arg	Gln	Val	Thr	Val
				305					310				315	
Ser	Ala	Glu	Ser	Ser	Ser	Ser	Met	Asn	Ser	Asn	Thr	Pro	Leu	Val
				320					325				330	
Arg	Ile	Thr	Thr	Arg	Leu	Pro	Ser	Thr	Ala	Asp	Thr	Pro	Met	Leu
				335					340				345	
Ala	Gly	Val	Ser	Glu	Tyr	Glu	Leu	Pro	Glu	Asp	Pro	Lys	Trp	Glu
				350					355				360	
Phe	Pro	Arg	Asp	Lys	Leu	Thr	Leu	Gly	Lys	Pro	Leu	Gly	Glu	Gly
				365					370				375	
Cys	Phe	Gly	Gln	Val	Val	Met	Ala	Glu	Ala	Val	Gly	Ile	Asp	Lys
				380					385				390	
Asp	Lys	Pro	Lys	Glu	Ala	Val	Thr	Val	Ala	Val	Lys	Met	Leu	Lys
				395					400				405	
Asp	Asp	Ala	Thr	Glu	Lys	Asp	Leu	Ser	Asp	Leu	Val	Ser	Glu	Met
				410					415				420	
Glu	Met	Met	Lys	Met	Ile	Gly	Lys	His	Lys	Asn	Ile	Ile	Asn	Leu
				425					430				435	
Leu	Gly	Ala	Cys	Thr	Gln	Asp	Gly	Pro	Leu	Tyr	Val	Ile	Val	Glu
				440					445				450	
Tyr	Ala	Ser	Lys	Gly	Asn	Leu	Arg	Glu	Tyr	Leu	Arg	Ala	Arg	Arg
				455					460				465	

Pro	Pro	Gly	Met	Glu	Tyr	Ser	Tyr	Asp	Ile	Asn	Arg	Val	Pro	Glu
				470					475					480
Glu	Gln	Met	Thr	Phe	Lys	Asp	Leu	Val	Ser	Cys	Ile	Tyr	Gln	Leu
				485					490					495
Ala	Arg	Gly	Met	Glu	Tyr	Leu	Ala	Ser	Gln	Lys	Cys	Ile	His	Arg
				500					505					510
Asp	Leu	Ala	Ala	Arg	Asn	Val	Leu	Val	Thr	Glu	Asn	Asn	Val	Met
				515					520					525
Lys	Ile	Ala	Asp	Phe	Gly	Leu	Ala	Arg	Asp	Ile	Asn	Asn	Ile	Asp
				530					535					540
Tyr	Tyr	Lys	Lys	Thr	Thr	Asn	Gly	Arg	Leu	Pro	Val	Lys	Trp	Met
				545					550					555
Ala	Pro	Glu	Ala	Leu	Phe	Asp	Arg	Val	Tyr	Thr	His	Gln	Ser	Asp
				560					565					570
Val	Trp	Ser	Phe	Gly	Val	Leu	Met	Trp	Glu	Ile	Phe	Thr	Leu	Gly
				575					580					585
Gly	Ser	Pro	Tyr	Pro	Gly	Ile	Pro	Val	Glu	Glu	Leu	Phe	Lys	Leu
				590					595					600
Leu	Lys	Glu	Gly	His	Arg	Met	Asp	Lys	Pro	Ala	Asn	Cys	Thr	Asn
				605					610					615
Glu	Leu	Tyr	Met	Met	Met	Arg	Asp	Cys	Trp	His	Ala	Val	Pro	Ser
				620					625					630
Gln	Arg	Pro	Thr	Phe	Lys	Gln	Leu	Val	Glu	Asp	Leu	Asp	Arg	Ile
				635					640					645
Leu	Thr	Leu	Thr	Thr	Asn	Glu	Glu	Tyr	Leu	Asp	Leu	Ser	Gln	Pro
				650					655					660
Leu	Glu	Pro	Tyr	Ser	Pro	Cys	Tyr	Pro	Asp	Pro	Arg			
				665					670					

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<213> Homo sapiens

<220>
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<223> Incyte ID No: 7513047CD1

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Arg	Thr	Arg	Val	Gly	Arg	Pro	Ala	Ala	Leu	Arg	Leu	Leu	Leu	
				20					25					30
Leu	Gly	Ala	Val	Leu	Asn	Pro	His	Glu	Ala	Leu	Ala	Gln	Pro	Leu
				35					40					45
Pro	Thr	Thr	Gly	Thr	Pro	Gly	Ser	Glu	Gly	Leu	Ile	Ala	Pro	Cys
				50					55					60
Glu	Ile	Ala	Trp	Ser	Thr	Leu	Gln	Ser	Cys	Leu	Thr	Trp	Ala	Ser
				65					70					75
Pro	Ile	Pro	Trp	Gln	Arg	Gly	Ser	Ser	Leu	Arg	Leu	Thr	Arg	Ser
				80					85					90
Thr	Leu	Pro	Thr	Ala	Pro	Trp	Cys	Ser	Pro	Pro	Ser	Leu	Thr	Pro
				95					100					105
Gln	Arg	Met	Tyr	Ser	Trp	Pro								
				110										

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<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature

<223> Incyte ID No: 7513056CD1

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Met Ala Gly Val Ala Cys Leu Gly Lys Ala Ala Asp Ala Asp Glu
 1 5 10 15
 Trp Cys Asp Ser Gly Leu Gly Ser Leu Gly Pro Asp Ala Ala Ala
 20 25 30
 Pro Gly Gly Pro Gly Leu Gly Ala Glu Leu Gly Pro Gly Leu Ser
 35 40 45
 Trp Ala Pro Leu Val Phe Gly Tyr Val Thr Glu Asp Gly Asp Thr
 50 55 60
 Leu Leu Gly Arg His
 65

<210> 33

<211> 442
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513245CD1

<400> 33

Met Gly Leu Pro Glu Pro Gly Pro Leu Arg Leu Leu Ala Leu Leu
 1 5 10 15
 Leu Leu Leu Leu Leu Leu Leu Leu Gln Leu Gln His Leu Ala
 20 25 30
 Ala Ala Ala Ala Asp Pro Leu Leu Gly Gly Gln Gly Pro Ala Lys
 35 40 45
 Glu Cys Glu Lys Asp Gln Phe Gln Cys Arg Asn Glu Arg Cys Ile
 50 55 60
 Pro Ser Val Trp Arg Cys Asp Glu Asp Asp Asp Cys Leu Asp His
 65 70 75
 Ser Asp Glu Asp Asp Cys Pro Lys Lys Thr Cys Ala Asp Ser Asp
 80 85 90
 Phe Thr Cys Asp Asn Gly His Cys Ile His Glu Arg Trp Lys Cys
 95 100 105
 Asp Gly Glu Glu Glu Cys Pro Asp Gly Ser Asp Glu Ser Glu Ala
 110 115 120
 Thr Cys Thr Lys Gln Val Cys Pro Ala Glu Lys Leu Ser Cys Gly
 125 130 135
 Pro Thr Ser His Lys Cys Val Pro Ala Ser Trp Arg Cys Asp Gly
 140 145 150
 Glu Lys Asp Cys Glu Gly Gly Ala Asp Glu Ala Gly Cys Ala Thr
 155 160 165
 Ser Leu Gly Thr Cys Arg Gly Asp Glu Phe Gln Cys Gly Asp Gly
 170 175 180
 Thr Cys Val Leu Ala Ile Lys His Cys Asn Gln Glu Gln Asp Cys
 185 190 195
 Pro Asp Gly Ser Asp Glu Ala Gly Cys Leu Gln Gly Leu Asn Glu
 200 205 210
 Cys Leu His Asn Asn Gly Gly Cys Ser His Ile Cys Thr Asp Leu
 215 220 225
 Lys Ile Gly Phe Glu Cys Thr Cys Pro Ala Gly Phe Gln Leu Leu
 230 235 240
 Asp Gln Lys Thr Cys Gly Asp Ile Asp Glu Cys Lys Asp Pro Asp
 245 250 255
 Ala Cys Ser Gln Ile Cys Val Asn Tyr Lys Gly Tyr Phe Lys Cys
 260 265 270
 Glu Cys Tyr Pro Gly Cys Glu Met Asp Leu Leu Thr Lys Asn Cys
 275 280 285
 Lys Ala Ala Ala Gly Lys Ser Pro Ser Leu Ile Phe Ala Asn Arg

290	295	300
His Glu Val Arg Arg Ile Asp Leu Val	Lys Arg Asn Tyr Ser Arg	
305	310	315
Leu Ile Pro Met Leu Lys Asn Val Val	Ala Leu Asp Val Glu Val	
320	325	330
Ala Thr Asn Arg Ile Tyr Trp Cys Asp	Leu Ser Tyr Arg Lys Ile	
335	340	345
Tyr Ser Ala Tyr Met Asp Lys Ala Ser	Asp Pro Lys Glu Gln Glu	
350	355	360
Val Leu Ile Asp Glu Gln Leu His Ser	Pro Glu Gly Leu Ala Val	
365	370	375
Asp Trp Val His Lys His Ile Tyr Trp	Thr Asp Ser Gly Asn Lys	
380	385	390
Thr Ile Ser Val Ala Thr Val Asp Gly	Gly Arg Arg Arg Thr Leu	
395	400	405
Phe Ser Arg Asn Leu Ser Glu Pro Arg	Ala Ile Ala Val Asp Pro	
410	415	420
Leu Arg Gly Ser Ala Glu Pro Ala Leu	Val Leu Gly Arg Leu Gln	
425	430	435
Ala Thr Pro Thr Val Gln His		
440		

<210> 34

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513711CD1

<400> 34

Met Glu Trp Leu Ala Arg Leu Cys Gly Leu Trp Ala Leu Leu Leu			
1	5	10	15
Cys Ala Gly Gly Gly Gly Gly Gly Ala Ala Pro Thr Glu			
20	25		30
Thr Gln Pro Pro Val Thr Asn Leu Ser Val Ser Val Glu Asn Leu			
35	40		45
Cys Thr Val Ile Trp Thr Trp Asn Pro Pro Glu Gly Ala Ser Ser			
50	55		60
Asn Cys Ser Leu Trp Tyr Phe Ser His Phe Gly Asp Lys Gln Asp			
65	70		75
Lys Val Ile Leu Ser Leu Leu			
80			

<210> 35

<211> 152

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513965CD1

<400> 35

Met Asp Ser Tyr Leu Leu Met Trp Gly Leu Leu Thr Phe Ile Met			
1	5	10	15
Val Pro Gly Cys Gln Ala Glu Leu Cys Asp Asp Asp Pro Pro Glu			
20	25		30
Ile Pro His Ala Thr Phe Lys Ala Met Ala Tyr Lys Glu Gly Thr			
35	40		45
Met Leu Asn Cys Glu Cys Lys Arg Gly Phe Arg Arg Ile Lys Ser			
50	55		60

Gly Ser Leu Tyr Met Leu Cys Thr Gly Asn Ser Ser His Ser Ser
 65 70 75
 Trp Asp Asn Gln Cys Gln Cys Thr Ser Ser Ala Thr Arg Asn Thr
 80 85 90
 Thr Lys Gln Val Thr Pro Gln Pro Glu Glu Gln Lys Glu Arg Lys
 95 100 105
 Thr Thr Glu Met Gln Ser Pro Met Gln Pro Val Asp Gln Ala Ser
 110 115 120
 Leu Pro Val Ala Gly Cys Val Phe Leu Leu Ile Ser Val Leu Leu
 125 130 135
 Leu Ser Gly Leu Thr Trp Gln Arg Arg Gln Arg Lys Ser Arg Arg
 140 145 150
 Thr Ile

<210> 36
 <211> 451
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513969CD1

<400> 36

Met	Glu	Gln	Lys	Pro	Ser	Lys	Val	Glu	Cys	Gly	Ser	Asp	Pro	Glu
1				5				10					15	
Glu	Asn	Ser	Ala	Arg	Ser	Pro	Asp	Gly	Lys	Arg	Lys	Arg	Lys	Asn
				20				25					30	
Gly	Gln	Cys	Ser	Leu	Lys	Thr	Ser	Met	Ser	Gly	Tyr	Ile	Pro	Ser
				35				40					45	
Tyr	Leu	Asp	Lys	Asp	Glu	Gln	Cys	Val	Val	Cys	Gly	Asp	Lys	Ala
				50				55					60	
Thr	Gly	Tyr	His	Tyr	Arg	Cys	Ile	Thr	Cys	Glu	Gly	Cys	Lys	Gly
				65				70					75	
Phe	Phe	Arg	Arg	Thr	Ile	Gln	Lys	Asn	Leu	His	Pro	Thr	Tyr	Ser
				80				85					90	
Cys	Lys	Tyr	Asp	Ser	Cys	Cys	Val	Ile	Asp	Lys	Ile	Thr	Arg	Asn
				95				100					105	
Gln	Cys	Gln	Leu	Cys	Arg	Phe	Lys	Lys	Cys	Ile	Ala	Val	Gly	Met
				110				115					120	
Ala	Met	Asp	Leu	Val	Leu	Asp	Asp	Ser	Lys	Arg	Val	Ala	Lys	Arg
				125				130					135	
Lys	Leu	Ile	Glu	Gln	Asn	Arg	Glu	Arg	Arg	Arg	Lys	Glu	Glu	Met
				140				145					150	
Ile	Arg	Ser	Leu	Gln	Gln	Arg	Pro	Glu	Pro	Thr	Pro	Glu	Glu	Trp
				155				160					165	
Asp	Leu	Ile	His	Ile	Ala	Thr	Glu	Ala	His	Arg	Ser	Thr	Asn	Ala
				170				175					180	
Gln	Gly	Ser	His	Trp	Lys	Gln	Arg	Arg	Lys	Phe	Leu	Pro	Asp	Asp
				185				190					195	
Ile	Gly	Gln	Ser	Pro	Ile	Val	Ser	Met	Pro	Asp	Gly	Asp	Lys	Val
				200				205					210	
Asp	Leu	Glu	Ala	Phe	Ser	Glu	Phe	Thr	Lys	Ile	Ile	Thr	Pro	Ala
				215				220					225	
Ile	Thr	Arg	Val	Val	Asp	Phe	Ala	Lys	Lys	Leu	Pro	Met	Phe	Ser
				230				235					240	
Glu	Leu	Pro	Cys	Glu	Asp	Gln	Ile	Ile	Leu	Leu	Lys	Gly	Cys	Cys
				245				250					255	
Met	Glu	Ile	Met	Ser	Leu	Arg	Ala	Ala	Val	Arg	Tyr	Asp	Pro	Glu
				260				265					270	
Ser	Asp	Thr	Leu	Thr	Leu	Ser	Gly	Glu	Met	Ala	Val	Lys	Arg	Glu
				275				280					285	

Gln Leu Lys Asn Gly Gly Leu Gly Val Val Ser Asp Ala Ile Phe
 290 295 300
 Glu Leu Ser Lys Ser Leu Ser Ala Phe Asn Leu Asp Asp Thr Glu
 305 310 315
 Val Ala Leu Leu Gln Ala Val Leu Leu Met Ser Thr Asp Arg Ser
 320 325 330
 Gly Leu Leu Cys Val Asp Lys Ile Glu Lys Ser Gln Glu Ala Tyr
 335 340 345
 Leu Leu Ala Phe Glu His Tyr Val Asn His Arg Lys His Asn Ile
 350 355 360
 Pro His Phe Trp Pro Lys Leu Leu Met Lys Gly Pro Gln Val Arg
 365 370 375
 Gln Leu Glu Gln Gln Leu Gly Glu Ala Gly Ser Leu Gln Gly Pro
 380 385 390
 Val Leu Gln His Gln Ser Pro Lys Ser Pro Gln Gln Arg Leu Leu
 395 400 405
 Glu Leu Leu His Arg Ser Gly Ile Leu His Ala Arg Ala Val Cys
 410 415 420
 Gly Glu Asp Asp Ser Ser Glu Ala Asp Ser Pro Ser Ser Ser Glu
 425 430 435
 Glu Glu Pro Glu Val Cys Glu Asp Leu Ala Gly Asn Ala Ala Ser
 440 445 450

Pro

<210> 37
 <211> 399
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7512119CD1

<400> 37

Met	Gly	Val	Ile	Gly	Ile	Gln	Leu	Val	Val	Ala	Met	Val	Met	Ala
1														
Ser	Val	Met	Gln	Lys	Ile	Ile	Pro	His	Tyr	Ser	Leu	Ala	Arg	Trp
Leu	Leu	Cys	Asn	Gly	Ser	Leu	Arg	Trp	Tyr	Gln	His	Pro	Thr	Glu
Glu	Glu	Leu	Arg	Ile	Leu	Ala	Gly	Lys	Gln	Gln	Lys	Gly	Lys	Thr
Lys	Lys	Asp	Arg	Lys	Tyr	Asn	Gly	His	Ile	Glu	Ser	Lys	Pro	Leu
Thr	Ile	Pro	Lys	Asp	Ile	Asp	Leu	His	Leu	Glu	Thr	Lys	Ser	Val
Thr	Glu	Val	Asp	Thr	Leu	Ala	Leu	His	Tyr	Phe	Pro	Glu	Tyr	Gln
Trp	Leu	Val	Asp	Phe	Thr	Val	Ala	Ala	Thr	Val	Val	Tyr	Leu	Val
Thr	Glu	Val	Tyr	Tyr	Asn	Phe	Met	Lys	Pro	Thr	Gln	Glu	Met	Asn
Ile	Ser	Leu	Val	Trp	Cys	Leu	Leu	Val	Leu	Ser	Phe	Ala	Ile	Lys
Val	Leu	Phe	Ser	Leu	Thr	Thr	His	Tyr	Phe	Lys	Val	Glu	Asp	Gly
Gly	Glu	Arg	Ser	Val	Cys	Val	Thr	Phe	Gly	Phe	Phe	Phe	Phe	Val
Lys	Ala	Met	Ala	Val	Leu	Ile	Val	Thr	Glu	Asn	Tyr	Leu	Glu	Phe
Gly	Leu	Glu	Thr	Gly	Phe	Thr	Asn	Phe	Ser	Asp	Ser	Ala	Met	Gln
				200			205							210

Phe Leu Glu Lys Gln Gly Leu Glu Ser Gln Ser Pro Val Ser Lys
 215 220 225
 Leu Thr Phe Lys Phe Phe Leu Ala Ile Phe Cys Ser Phe Ile Gly
 230 235 240
 Ala Phe Leu Thr Phe Pro Gly Leu Arg Leu Ala Gln Met His Leu
 245 250 255
 Asp Ala Leu Asn Leu Ala Thr Glu Lys Ile Thr Gln Thr Leu Leu
 260 265 270
 His Ile Asn Phe Leu Ala Pro Leu Phe Met Val Leu Leu Trp Val
 275 280 285
 Lys Pro Ile Thr Lys Asp Tyr Ile Met Asn Pro Pro Leu Gly Lys
 290 295 300
 Glu Ser Ile Pro Leu Met Thr Glu Ala Thr Phe Asp Thr Leu Arg
 305 310 315
 Leu Trp Leu Ile Ile Leu Leu Cys Ala Leu Arg Leu Ala Met Met
 320 325 330
 Arg Ser His Leu Gln Ala Tyr Leu Asn Leu Ala Gln Lys Cys Val
 335 340 345
 Asp Gln Met Lys Lys Glu Ala Gly Arg Ile Ser Thr Val Glu Leu
 350 355 360
 Gln Lys Met Val Ile Ile Pro Gly Val Phe Ile Gln Asn Leu Ser
 365 370 375
 Leu Pro Tyr Gln Trp Ile Ile Val Tyr Cys Pro Ile Leu Phe Thr
 380 385 390
 Leu Asn Tyr His Gln Leu Lys Gly Lys
 395

<210> 38
 <211> 231
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7515577CD1

<400> 38

Met	Arg	Thr	Glu	Ala	Gln	Val	Pro	Ala	Leu	Gln	Pro	Pro	Glu	Pro
1				5				10					15	
Gly	Leu	Glu	Gly	Ala	Met	Gly	His	Arg	Thr	Leu	Val	Leu	Pro	Trp
					20				25					30
Val	Leu	Leu	Thr	Leu	Cys	Val	Thr	Ala	Gly	Thr	Pro	Glu	Val	Trp
					35				40					45
Val	Gln	Ile	Arg	Met	Glu	Ala	Thr	Glu	Leu	Ser	Ser	Phe	Thr	Ile
				50				55					60	
Arg	Trp	Leu	Ser	Ala	Pro	Pro	Thr	Pro	Ala	Pro	Ile	Leu	Arg	Ala
				65				70					75	
Asp	Leu	Ala	Gly	Ile	Leu	Gly	Val	Ser	Gly	Val	Leu	Leu	Phe	Gly
				80				85					90	
Cys	Val	Tyr	Leu	Leu	His	Leu	Leu	Arg	Arg	His	Lys	His	Arg	Pro
					95				100					105
Ala	Pro	Arg	Leu	Gln	Pro	Ser	Arg	Thr	Ser	Pro	Gln	Ala	Pro	Arg
				110				115					120	
Ala	Arg	Ala	Trp	Ala	Pro	Ser	Gln	Ala	Ser	Gln	Ala	Ala	Leu	His
				125				130					135	
Val	Pro	Tyr	Ala	Thr	Ile	Asn	Thr	Ser	Cys	Arg	Pro	Ala	Thr	Leu
				140				145					150	
Asp	Thr	Ala	His	Pro	His	Gly	Gly	Pro	Ser	Trp	Trp	Ala	Ser	Leu
				155				160					165	
Pro	Thr	His	Ala	Ala	His	Arg	Pro	Gln	Gly	Pro	Ala	Ala	Trp	Ala
				170				175					180	
Ser	Thr	Pro	Ile	Pro	Ala	Arg	Gly	Ser	Phe	Val	Ser	Val	Glu	Asn
				185				190					195	

Gly Leu Tyr Ala Gln Ala Gly Glu Arg Pro Pro His Thr Gly Pro
 200 205 210
 Gly Leu Thr Leu Phe Pro Asp Pro Arg Gly Pro Arg Ala Met Glu
 215 220 225
 Gly Pro Leu Gly Val Arg
 230

<210> 39
 <211> 203
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7514748CD1

<400> 39
 Met Thr Ser Gln Arg Ser Pro Leu Ala Pro Leu Leu Leu Ser
 1 5 10 15
 Leu His Gly Val Ala Ala Ser Leu Glu Val Ser Glu Ser Pro Gly
 20 25 30
 Ser Ile Gln Val Ala Arg Gly Gln Thr Ala Val Leu Pro Cys Thr
 35 40 45
 Phe Thr Thr Ser Ala Ala Leu Ile Asn Leu Asn Val Ile Trp Met
 50 55 60
 Val Thr Pro Leu Ser Asn Ala Asn Gln Pro Glu Gln Val Ile Leu
 65 70 75
 Tyr Gln Gly Gly Gln Met Phe Asp Gly Ala Pro Arg Phe His Gly
 80 85 90
 Arg Val Gly Phe Thr Gly Thr Met Pro Ala Thr Asn Val Ser Ile
 95 100 105
 Phe Ile Asn Asn Thr Gln Leu Ser Asp Thr Gly Thr Tyr Gln Cys
 110 115 120
 Leu Val Asn Asn Leu Pro Asp Ile Gly Gly Arg Asn Ile Gly Val
 125 130 135
 Thr Gly Leu Thr Val Leu Asp Gln Val Gln Glu Gln Ser Pro Ser
 140 145 150
 Gly Thr Ser Val Pro Cys Leu Gln Val Cys Thr Ser Ala Trp Leu
 155 160 165
 Leu Met Leu Leu Glu Pro Ala Pro Val Phe Trp Ile Ser Arg Leu
 170 175 180
 Phe His Gly His Ser Phe Thr Gly Glu Ala Lys Ile Lys Arg Arg
 185 190 195
 Lys Lys Lys Lys Phe Leu Met Lys
 200

<210> 40
 <211> 525
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513838CD1

<400> 40
 Met Val Cys Ser Leu Trp Val Leu Leu Leu Val Ser Ser Val Leu
 1 5 10 15
 Ala Leu Glu Glu Val Leu Leu Asp Thr Thr Gly Glu Thr Ser Glu
 20 25 30
 Ile Gly Trp Leu Thr Tyr Pro Pro Gly Gly Trp Asp Glu Val Ser
 35 40 45
 Val Leu Asp Asp Gln Arg Arg Leu Thr Arg Thr Phe Glu Ala Cys

50	55	60
His Val Ala Gly Ala Pro Pro Gly Thr	Gly Gln Asp Asn Trp	Leu
65	70	75
Gln Thr His Phe Val Glu Arg Arg Gly	Ala Gln Arg Ala His	Ile
80	85	90
Arg Leu His Phe Ser Val Arg Ala Cys	Ser Ser Leu Gly Val	Ser
95	100	105
Gly Gly Thr Cys Arg Glu Thr Phe Thr	Leu Tyr Tyr Arg Gln	Ala
110	115	120
Glu Glu Pro Asp Ser Pro Asp Ser Val	Ser Ser Trp His	Leu Lys
125	130	135
Arg Trp Thr Lys Val Asp Thr Ile Ala	Ala Asp Glu Ser Phe	Pro
140	145	150
Ser Ser Ser Ser Ser Ser Ser	Ser Ser Ala Ala Trp	Ala
155	160	165
Val Gly Pro His Gly Ala Gly Gln Arg	Ala Gly Leu Gln Leu	Asn
170	175	180
Val Lys Glu Arg Ser Phe Gly Pro Leu	Thr Gln Arg Gly Phe	Tyr
185	190	195
Val Ala Phe Gln Asp Thr Gly Ala Cys	Leu Ala Leu Val Ala	Val
200	205	210
Arg Leu Phe Ser Tyr Thr Cys Pro Ala	Val Leu Arg Ser Phe	Ala
215	220	225
Ser Phe Pro Glu Thr Gln Ala Ser Gly	Ala Gly Gly Ala Ser	Leu
230	235	240
Val Ala Ala Val Gly Thr Cys Val Ala	His Ala Glu Pro Glu	Glu
245	250	255
Asp Gly Val Gly Gly Gln Ala Gly Gly	Ser Pro Pro Arg Leu	His
260	265	270
Cys Asn Gly Glu Gly Lys Trp Met Val	Ala Val Gly Gly Cys	Arg
275	280	285
Cys Gln Pro Gly Tyr Gln Pro Ala Arg	Gly Asp Lys Ala Cys	Gln
290	295	300
Ala Cys Pro Arg Gly Leu Tyr Lys Ser	Ser Ala Gly Asn Ala	Pro
305	310	315
Cys Ser Pro Cys Pro Ala Arg Ser His	Ala Pro Asn Pro Ala	Ala
320	325	330
Pro Val Cys Pro Cys Leu Glu Gly Phe	Tyr Arg Ala Ser Ser	Asp
335	340	345
Pro Pro Glu Ala Pro Cys Thr Gly Pro	Pro Ser Ala Pro Gln	Glu
350	355	360
Leu Trp Phe Glu Val Gln Gly Ser Ala	Leu Met Leu His Trp	Arg
365	370	375
Leu Pro Arg Glu Leu Gly Gly Arg Gly	Asp Leu Leu Phe Asn	Val
380	385	390
Val Cys Lys Glu Cys Glu Gly Arg Gln	Glu Pro Ala Ser Gly	Gly
395	400	405
Gly Gly Thr Cys His Arg Cys Arg Asp	Glu Val His Phe Asp	Pro
410	415	420
Arg Gln Arg Gly Leu Thr Glu Ser Arg	Val Leu Val Gly Gly	Leu
425	430	435
Arg Ala His Val Pro Tyr Ile Leu Glu	Val Gln Ala Val Asn	Gly
440	445	450
Val Ser Glu Leu Ser Pro Asp Pro Pro	Gln Ala Ala Ala Ile	Asn
455	460	465
Val Ser Thr Ser His Glu Gly Glu Leu	Phe Ser Leu Ala Phe	Arg
470	475	480
Ile Pro Cys Leu Arg Ser Phe Glu Pro	Pro Ser Leu Leu Leu	Ile
485	490	495
Ser Ser Leu Val His Pro Cys Arg Pro	Pro Leu Lys Ala Asp	Pro
500	505	510
Ala Pro Arg Asp Ser Tyr Pro His Asn	Asn Phe Pro Phe Ala	Leu
515	520	525

<210> 41
 <211> 217
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7515163CD1

<400> 41

Met	Glu	Met	Ala	Ser	Ser	Ala	Gly	Ser	Trp	Leu	Ser	Gly	Cys	Leu	
1				5					10					15	
Ile	Pro	Ile	Leu	Val	Phe	Leu	Arg	Leu	Ser	Val	His	Val	Ser	Gly	His
					20				25					30	
Ala	Gly	Asp	Ala	Gly	Lys	Phe	His	Val	Ala	Leu	Leu	Gly	Gly	Thr	
					35				40					45	
Ala	Glu	Leu	Leu	Cys	Pro	Leu	Ser	Leu	Trp	Pro	Gly	Thr	Val	Pro	
					50				55					60	
Lys	Glu	Val	Arg	Trp	Leu	Arg	Ser	Pro	Phe	Pro	Gln	Arg	Ser	Gln	
					65				70					75	
Ala	Val	His	Ile	Phe	Arg	Asp	Gly	Lys	Asp	Gln	Asp	Glu	Asp	Leu	
					80				85					90	
Met	Pro	Glu	Tyr	Lys	Gly	Arg	Thr	Val	Leu	Val	Arg	Asp	Ala	Gln	
					95				100					105	
Glu	Gly	Ser	Val	Thr	Leu	Gln	Ile	Leu	Asp	Val	Arg	Leu	Glu	Asp	
					110				115					120	
Gln	Gly	Ser	Tyr	Arg	Cys	Leu	Ile	Gln	Val	Gly	Asn	Leu	Ser	Lys	
					125				130					135	
Glu	Asp	Thr	Val	Ile	Leu	Gln	Val	Ala	Ala	Pro	Ser	Val	Gly	Ser	
					140				145					150	
Leu	Ser	Pro	Ser	Ala	Val	Ala	Leu	Ala	Val	Ile	Leu	Pro	Val	Leu	
					155				160					165	
Val	Leu	Leu	Ile	Met	Val	Cys	Leu	Cys	Leu	Ile	Trp	Lys	Gln	Arg	
					170				175					180	
Arg	Ala	Lys	Glu	Lys	Leu	Leu	Tyr	Glu	His	Val	Thr	Glu	Thr	Ile	
					185				190					195	
Phe	Phe	Gln	Thr	Met	Leu	Lys	Lys	Lys	Glu	Asn	Ser	Ile	Lys	Leu	
					200				205					210	
Ser	Arg	Asn	Ser	Gly	Val	Asn									
					215										

<210> 42
 <211> 790
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7516929CD1

<400> 42

Met	Pro	Ser	Ala	Leu	Ala	Ile	Phe	Thr	Cys	Arg	Pro	Asn	Ser	His
1				5					10					15
Pro	Phe	Gln	Glu	Arg	His	Val	Tyr	Leu	Asp	Glu	Pro	Ile	Lys	Ile
					20				25					30
Gly	Arg	Ser	Val	Ala	Arg	Cys	Arg	Pro	Ala	Gln	Asn	Asn	Ala	Thr
					35				40					45
Phe	Asp	Cys	Lys	Val	Leu	Ser	Arg	Asn	His	Ala	Leu	Val	Trp	Phe
					50				55					60
Asp	His	Lys	Thr	Gly	Lys	Phe	Tyr	Leu	Gln	Asp	Thr	Lys	Ser	Ser
					65				70					75
Asn	Gly	Thr	Phe	Ile	Asn	Ser	Gln	Arg	Leu	Ser	Arg	Gly	Ser	Glu

80	85	90
Glu Ser Pro Pro Cys	Glu Ile Leu Ser	Gly Asp Ile Ile Gln
95	100	Phe
Gly Val Asp Val	Glu Asn Thr Arg	Lys Val Thr His Gly
110	115	Cys
Ile Val Ser Thr	Ile Lys Leu Phe Leu	120
125	130	Ala
Arg Leu Arg Ser	Asp Val Ile His Ala	135
140	145	150
Asp Lys Val Ala	Ala Asn Thr Pro Ser	Met Tyr Ser Gln Glu
155	160	Leu
Phe Gln Leu Ser	Gln Tyr Leu Gln Glu	165
170	175	Ala
Met Leu Glu Gln	Lys Leu Ala Thr Leu	180
185	190	Gln
Thr Gln Glu Ala	Ser Asp Thr Ser Trp	195
200	205	Ala
Asp Arg Leu Leu	Ser Arg Leu Glu Val	210
215	220	Leu
Ala Cys Ser Lys	Asn Gln Thr Glu Asp	225
230	235	Lys
Ile Ala Leu Gln	Glu Asp Lys His Asn	240
245	250	255
Glu Ser Leu Arg	Arg Val Leu Gln Glu	Lys
260	265	Arg
Lys Leu Ser Glu	Val Glu Arg Ser Leu	270
275	280	Glu
Cys Thr His Leu	Lys Glu Met Asn Glu	285
290	295	Leu
Arg Glu Leu Ala	Lys Tyr Asn Gly	300
305	310	Ala
Asp Leu Ser Asp	Lys Leu Lys Val Ala	315
320	325	Glu
Ile Gln Gln Lys	Gly Gln Ala Glu Lys	330
335	340	Lys
Ile Asp Glu Met	Glu Glu Lys Glu Gln	345
350	355	Ile
Glu Ala Leu Gln	Ala Asp Asn Asp Phe	360
365	370	Thr
Ala Leu Gln Glu	Lys Leu Ile Val Glu	375
380	385	Gly
Val Glu Glu Thr	Lys Leu Ser Lys Glu	390
395	400	His
Glu Ser Asp Phe	Ser Asp Thr Leu Ser	395
410	415	Leu
Ser Asp Asp Thr	Thr Asp Ala Gln Met	420
425	430	Arg
Glu Pro Leu Ala	Lys Val Ser Leu Leu	435
440	445	Leu
Ala Gln Ser Glu	Ile Glu Ala Lys Gln	450
455	460	Gln
Lys Glu Leu Ile	Glu Ala Gln Glu Leu	465
470	475	His
Lys Cys Phe Glu	Lys Asp Asp Leu Gln	470
485	490	Leu
Tyr Arg Asn Gln	Leu Gln Ala Leu Leu	495
500	505	Glu
Gln Ala Gln Leu	Glu Glu Ser Thr	510
515	520	Arg
Glu Glu Lys Asp	Lys Gln Ile Gln Val	525
530	535	Leu
Ser Ala Arg Asp	Glu Ile Leu Leu Leu	540
545	550	Gln
		Ala
		Ala
		Lys
		555

Val	Ala	Ser	Glu	Arg	Asp	Thr	Asp	Ile	Ala	Ser	Leu	Gln	Glu	Glu
			560					565					570	
Leu	Lys	Val	Arg	Ala	Glu	Leu	Glu	Arg	Trp	Arg	Lys	Ala	Ala	
			575					580					585	
Ser	Glu	Tyr	Glu	Lys	Glu	Ile	Thr	Ser	Leu	Gln	Asn	Ser	Phe	Gln
			590					595					600	
Leu	Arg	Cys	Gln	Gln	Cys	Glu	Asp	Gln	Gln	Arg	Glu	Glu	Ala	Thr
			605					610					615	
Arg	Leu	Gln	Gly	Glu	Leu	Glu	Lys	Leu	Arg	Lys	Glu	Trp	Asn	Ala
			620					625					630	
Leu	Glu	Thr	Glu	Cys	His	Ser	Leu	Lys	Arg	Glu	Asn	Val	Leu	Leu
			635					640					645	
Ser	Ser	Glu	Leu	Gln	Arg	Gln	Glu	Lys	Glu	Leu	His	Asn	Ser	Gln
			650					655					660	
Lys	Gln	Ser	Leu	Glu	Leu	Thr	Ser	Asp	Leu	Ser	Ile	Leu	Gln	Met
			665					670					675	
Ser	Arg	Lys	Glu	Leu	Glu	Asn	Gln	Val	Gly	Ser	Leu	Lys	Glu	Gln
			680					685					690	
His	Leu	Arg	Asp	Ser	Ala	Asp	Leu	Lys	Thr	Leu	Leu	Ser	Lys	Ala
			695					700					705	
Glu	Asn	Gln	Ala	Lys	Asp	Val	Gln	Lys	Glu	Tyr	Glu	Lys	Thr	Gln
			710					715					720	
Thr	Val	Leu	Ser	Glu	Leu	Lys	Leu	Lys	Phe	Glu	Met	Thr	Glu	Gln
			725					730					735	
Glu	Lys	Gln	Ser	Ile	Thr	Asp	Glu	Leu	Lys	Gln	Cys	Lys	Asn	Asn
			740					745					750	
Leu	Lys	Leu	Leu	Arg	Glu	Lys	Gly	Asn	Asn	Lys	Pro	Trp	Pro	Trp
			755					760					765	
Met	Pro	Met	Leu	Ala	Ala	Leu	Val	Ala	Val	Thr	Ala	Ile	Val	Leu
			770					775					780	
Tyr	Val	Pro	Gly	Leu	Ala	Arg	Ala	Ser	Pro					
			785					790						

<210> 43
<211> 230
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7515570CD1

<400> 43														
Met	Arg	Pro	Gly	Thr	Ala	Leu	Gln	Ala	Val	Leu	Leu	Ala	Val	Leu
1					5				10					15
Leu	Val	Gly	Leu	Arg	Ala	Ala	Thr	Gly	Arg	Leu	Leu	Ser	Ala	Ser
					20				25					30
Asp	Leu	Asp	Leu	Arg	Gly	Glu	Lys	Pro	Ala	Val	Pro	Ser	Arg	Glu
					35				40					45
Ala	Glu	Gly	Glu	Glu	Thr	Glu	Leu	Thr	Thr	Pro	Val	Leu	Pro	Glu
					50				55					60
Glu	Thr	Gln	Glu	Glu	Asp	Ala	Lys	Lys	Thr	Phe	Lys	Glu	Ser	Arg
					65				70					75
Glu	Ala	Ala	Leu	Asn	Leu	Ala	Tyr	Ile	Leu	Ile	Pro	Ser	Ile	Pro
					80				85					90
Leu	Leu	Leu	Leu	Val	Val	Thr	Thr	Val	Val	Cys	Trp	Val	Trp	
					95				100					105
Ile	Cys	Arg	Lys	Arg	Lys	Arg	Glu	Gln	Pro	Asp	Pro	Ser	Thr	Lys
					110				115					120
Lys	Gln	His	Thr	Ile	Trp	Pro	Ser	Pro	His	Gln	Gly	Asn	Ser	Pro
					125				130					135
Asp	Leu	Glu	Val	Tyr	Asn	Val	Ile	Arg	Lys	Gln	Ser	Glu	Ala	Asp
					140				145					150

Leu Ala Glu Thr Arg Pro Asp Leu Lys Asn Ile Ser Phe Arg Val
 155 160 165
 Cys Ser Gly Glu Ala Thr Pro Asp Asp Met Ser Cys Asp Tyr Asp
 170 175 180
 Asn Met Ala Val Asn Pro Ser Glu Ser Gly Phe Val Thr Leu Val
 185 190 195
 Ser Val Glu Ser Gly Phe Val Thr Asn Asp Ile Tyr Glu Phe Ser
 200 205 210
 Pro Asp Gln Met Gly Arg Ser Lys Glu Ser Gly Trp Val Glu Asn
 215 220 225
 Glu Ile Tyr Gly Tyr
 230

<210> 44
 <211> 196
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7515680CD1

<400> 44

Met	Glu	Leu	Leu	Gln	Val	Thr	Ile	Leu	Phe	Leu	Leu	Pro	Ser	Ile
1														
Cys	Ser	Ser	Asn	Ser	Thr	Gly	Leu	Lys	Ala	Thr	Thr	Thr	Asp	Val
Arg	Lys	Asn	Asp	Ser	Ile	Ile	Ser	Asn	Val	Thr	Val	Thr	Ser	Val
Thr	Leu	Pro	Asn	Ala	Val	Ser	Thr	Leu	Gln	Ser	Ser	Lys	Pro	Lys
Thr	Glu	Thr	Gln	Ser	Ser	Ile	Lys	Thr	Thr	Glu	Ile	Pro	Gly	Ser
Val	Leu	Gln	Pro	Asp	Ala	Ser	Pro	Ser	Lys	Thr	Gly	Thr	Leu	Thr
Ser	Ile	Pro	Val	Thr	Ile	Pro	Glu	Asn	Thr	Ser	Gln	Ser	Gln	Val
Ile	Gly	Thr	Glu	Gly	Gly	Lys	Asn	Ala	Ser	Thr	Ser	Ala	Thr	Ser
Arg	Ser	Tyr	Ser	Ser	Ile	Ile	Leu	Pro	Val	Val	Ile	Ala	Leu	Ile
Val	Ile	Thr	Leu	Ser	Val	Phe	Val	Leu	Val	Gly	Leu	Tyr	Arg	Met
Cys	Trp	Lys	Ala	Asp	Pro	Gly	Thr	Pro	Glu	Asn	Gly	Asn	Asp	Gln
Pro	Gln	Ser	Asp	Lys	Glu	Ser	Val	Lys	Leu	Leu	Thr	Val	Lys	Thr
Ile	Ser	His	Glu	Ser	Gly	Glu	His	Ser	Ala	Gln	Gly	Lys	Thr	Lys

Asn

<210> 45
 <211> 367
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7516698CD1

<400> 45
 Met Gly Ile Trp Thr Ser Gly Thr Asp Ile Phe Leu Ser Leu Trp

<210> 46
<211> 815
<212> PRT
<213> *Homo sapiens*

<220>
<221> misc_feature
<223> Incyte ID No: 7517501CD1

<400> 46
Met Gly Pro Gly Val Leu Leu Leu Leu Leu Val Ala Thr Ala Trp
1 5 10 15
His Gly Gln Gly Ile Pro Val Ile Glu Pro Ser Val Pro Glu Leu

20	25	30
Val Val Lys Pro Gly Ala Thr Val Thr Leu Arg Cys Val Gly Asn		
35	40	45
Gly Ser Val Glu Trp Asp Gly Pro Pro Ser Pro His Trp Thr Leu		
50	55	60
Tyr Ser Asp Gly Ser Ser Ser Ile Leu Ser Thr Asn Asn Ala Thr		
65	70	75
Phe Gln Asn Thr Gly Thr Tyr Arg Cys Thr Glu Pro Gly Asp Pro		
80	85	90
Leu Gly Gly Ser Ala Ala Ile His Leu Tyr Val Lys Asp Pro Ala		
95	100	105
Arg Pro Trp Asn Val Leu Ala Gln Glu Val Val Val Phe Glu Asp		
110	115	120
Gln Asp Ala Leu Leu Pro Cys Leu Leu Thr Asp Pro Val Leu Glu		
125	130	135
Ala Gly Val Ser Leu Val Arg Val Arg Gly Arg Pro Leu Met Arg		
140	145	150
His Thr Asn Tyr Ser Phe Ser Pro Trp His Gly Phe Thr Ile His		
155	160	165
Arg Ala Lys Phe Ile Gln Ser Gln Asp Tyr Gln Cys Ser Ala Leu		
170	175	180
Met Gly Gly Arg Lys Val Met Ser Ile Ser Ile Arg Leu Lys Val		
185	190	195
Gln Lys Val Ile Pro Gly Pro Pro Ala Leu Thr Leu Val Pro Ala		
200	205	210
Glu Leu Val Arg Ile Arg Gly Glu Ala Ala Gln Ile Val Cys Ser		
215	220	225
Ala Ser Ser Val Asp Val Asn Phe Asp Val Phe Leu Gln His Asn		
230	235	240
Asn Thr Lys Leu Ala Ile Pro Gln Gln Ser Asp Phe His Asn Asn		
245	250	255
Arg Tyr Gln Lys Val Leu Thr Leu Asn Leu Asp Gln Val Asp Phe		
260	265	270
Gln His Ala Gly Asn Tyr Ser Cys Val Ala Ser Asn Val Gln Gly		
275	280	285
Lys His Ser Thr Ser Met Phe Phe Arg Val Val Glu Ser Ala Tyr		
290	295	300
Leu Asn Leu Ser Ser Glu Gln Asn Leu Ile Gln Glu Val Thr Val		
305	310	315
Gly Glu Gly Leu Asn Leu Lys Val Met Val Glu Ala Tyr Pro Gly		
320	325	330
Leu Gln Gly Phe Asn Trp Thr Tyr Leu Gly Pro Phe Ser Asp His		
335	340	345
Gln Pro Glu Pro Lys Leu Ala Asn Ala Thr Thr Lys Asp Thr Tyr		
350	355	360
Arg His Thr Phe Thr Leu Ser Leu Pro Arg Leu Lys Pro Ser Glu		
365	370	375
Ala Gly Arg Tyr Ser Phe Leu Ala Arg Asn Pro Gly Gly Trp Arg		
380	385	390
Ala Leu Thr Phe Glu Leu Thr Leu Arg Tyr Pro Pro Glu Val Ser		
395	400	405
Val Ile Trp Thr Phe Ile Asn Gly Ser Gly Thr Leu Leu Cys Ala		
410	415	420
Ala Ser Gly Tyr Pro Gln Pro Asn Val Thr Trp Leu Gln Cys Ser		
425	430	435
Gly His Thr Asp Arg Cys Asp Glu Ala Gln Val Leu Gln Val Trp		
440	445	450
Asp Asp Pro Tyr Pro Glu Val Leu Ser Gln Glu Pro Phe His Lys		
455	460	465
Val Thr Val Gln Ser Leu Leu Thr Val Glu Thr Leu Glu His Asn		
470	475	480
Gln Thr Tyr Glu Cys Arg Ala His Asn Ser Val Gly Ser Gly Ser		
485	490	495

Trp	Ala	Phe	Ile	Pro	Ile	Ser	Ala	Gly	Ala	His	Thr	His	Pro	Pro
				500				505					510	
Asp	Glu	Phe	Leu	Phe	Thr	Pro	Val	Val	Val	Ala	Cys	Met	Ser	Ile
				515				520					525	
Met	Ala	Leu	Tyr	Lys	Tyr									
				530				535					540	
Lys	Gln	Lys	Pro	Lys	Tyr	Gln	Val	Arg	Trp	Lys	Ile	Ile	Glu	Ser
				545				550					555	
Tyr	Glu	Gly	Asn	Ser	Tyr	Thr	Phe	Ile	Asp	Pro	Thr	Gln	Leu	Pro
				560				565					570	
Tyr	Asn	Glu	Lys	Trp	Glu	Phe	Pro	Arg	Asn	Asn	Leu	Gln	Phe	Gly
				575				580					585	
Lys	Thr	Leu	Gly	Ala	Gly	Ala	Phe	Gly	Lys	Val	Val	Glu	Ala	Thr
				590				595					600	
Ala	Phe	Gly	Leu	Gly	Lys	Glu	Asp	Ala	Val	Leu	Lys	Val	Ala	Val
				605				610					615	
Lys	Met	Leu	Lys	Ser	Thr	Ala	His	Ala	Asp	Glu	Lys	Glu	Ala	Leu
				620				625					630	
Met	Ser	Glu	Leu	Lys	Ile	Met	Ser	His	Leu	Gly	Gln	His	Glu	Asn
				635				640					645	
Ile	Val	Asn	Leu	Leu	Gly	Ala	Cys	Thr	His	Gly	Gly	Pro	Val	Leu
				650				655					660	
Val	Ile	Thr	Glu	Tyr	Cys	Cys	Tyr	Gly	Asp	Leu	Leu	Asn	Phe	Leu
				665				670					675	
Arg	Arg	Lys	Ala	Glu	Ala	Met	Leu	Gly	Pro	Ser	Leu	Ser	Pro	Gly
				680				685					690	
Gln	Asp	Pro	Glu	Gly	Gly	Val	Asp	Tyr	Lys	Asn	Ile	His	Leu	Glu
				695				700					705	
Lys	Lys	Tyr	Val	Arg	Arg	Asp	Ser	Gly	Phe	Ser	Ser	Gln	Gly	Val
				710				715					720	
Asp	Thr	Tyr	Val	Glu	Met	Arg	Pro	Val	Ser	Thr	Ser	Ser	Asn	Asp
				725				730					735	
Ser	Phe	Ser	Glu	Gln	Asp	Leu	Asp	Lys	Glu	Asp	Gly	Arg	Pro	Leu
				740				745					750	
Glu	Leu	Arg	Asp	Leu	Leu	His	Phe	Ser	Ser	Gln	Val	Ala	Gln	Gly
				755				760					765	
Met	Ala	Phe	Leu	Ala	Ser	Lys	Asn	Gln	Gly	Leu	Gln	Ser	His	Val
				770				775					780	
Gly	Pro	Ser	Leu	Pro	Ser	Ser	Ser	Pro	Gln	Ala	Gln	Val	Gly	Glu
				785				790					795	
Gly	Pro	Arg	Leu	Thr	Leu	Gln	Cys	Phe	Pro	Ser	Val	His	Pro	Pro
				800				805					810	
Gly	Arg	Gly	Ser	Ala										
				815										

<210> 47
 <211> 260
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7518576CD1

<400> 47
 Met Cys Ser Thr Met Ser Ala Pro Thr Cys Leu Ala His Leu Pro
 1 5 10 15
 Pro Cys Phe Leu Leu Leu Ala Leu Val Leu Val Pro Ser Asp Ala
 20 25 30
 Ser Gly Gln Ser Ser Arg Asn Asp Trp Gln Val Leu Gln Pro Glu
 35 40 45
 Gly Pro Met Leu Val Ala Glu Gly Glu Thr Leu Leu Leu Arg Cys
 50 55 60

Met Val Val Gly Ser Cys Thr Asp Gly Ala Gly Asp Pro Glu Pro
 65 70 75
 Asp Leu Trp Ile Ile Gln Pro Gln Glu Leu Val Leu Gly Thr Thr
 80 85 90
 Gly Asp Thr Val Phe Leu Asn Cys Thr Val Leu Gly Asp Gly Pro
 95 100 105
 Pro Gly Pro Ile Arg Trp Phe Gln Gly Ala Gly Leu Ser Arg Glu
 110 115 120
 Ala Ile Tyr Asn Phe Gly Gly Ile Ser His Pro Lys Ala Thr Ala
 125 130 135
 Val Gln Ala Ser Asn Asn Asp Phe Ser Ile Leu Leu Gln Asn Val
 140 145 150
 Ser Ser Glu Asp Ala Gly Thr Tyr Tyr Cys Val Lys Phe Gln Arg
 155 160 165
 Lys Pro Asn Arg Gln Tyr Leu Ser Gly Gln Gly Thr Ser Leu Lys
 170 175 180
 Val Lys Ala Lys Ser Thr Ser Ser Lys Glu Ala Glu Phe Thr Ser
 185 190 195
 Glu Pro Ala Thr Glu Met Ser Pro Thr Gly Leu Leu Val Val Phe
 200 205 210
 Ala Pro Val Val Leu Gly Leu Lys Ala Ile Thr Leu Ala Ala Leu
 215 220 225
 Leu Leu Ala Leu Ala Thr Ser Arg Arg Ser Pro Gly Gln Glu Asp
 230 235 240
 Val Lys Thr Thr Gly Pro Ala Gly Ala Met Asn Thr Leu Ala Trp
 245 250 255
 Ser Lys Gly Gln Glu
 260

<210> 48

<211> 237

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7518626CD1

<400> 48

Met Ser Gly Gly Trp Met Ala Gln Val Gly Ala Trp Arg Thr Gly
 1 5 10 15
 Ala Leu Gly Leu Ala Leu Leu Leu Leu Gly Leu Gly Leu Gly
 20 25 30
 Leu Glu Ala Ala Ala Ser Pro Leu Ser Thr Pro Thr Ser Ala Gln
 35 40 45
 Ala Ala Gly Pro Ser Ser Gly Ser Cys Pro Pro Thr Lys Phe Gln
 50 55 60
 Cys Arg Thr Ser Gly Leu Cys Val Pro Leu Thr Trp Arg Cys Asp
 65 70 75
 Arg Asp Leu Asp Cys Ser Asp Gly Ser Asp Glu Glu Glu Cys Ser
 80 85 90
 Glu Leu Arg Cys Thr Leu Ser Asp Asp Cys Ile Pro Leu Thr Trp
 95 100 105
 Arg Cys Asp Gly His Pro Asp Cys Pro Asp Ser Ser Asp Glu Leu
 110 115 120
 Gly Cys Gly Thr Asn Glu Ile Leu Pro Glu Gly Asp Ala Thr Thr
 125 130 135
 Met Gly Pro Pro Val Thr Leu Glu Ser Val Thr Ser Leu Arg Asn
 140 145 150
 Ala Thr Thr Met Gly Pro Pro Val Thr Leu Glu Ser Val Pro Ser
 155 160 165
 Val Gly Asn Ala Thr Ser Ser Ser Ala Gly Asp Gln Ser Gly Ser
 170 175 180

Pro Thr Ala Tyr Gly Val Ile Ala Ala Ala Ala Val Leu Ser Ala
 185 190 195
 Ser Leu Val Thr Ala Thr Leu Leu Leu Leu Ser Trp Leu Arg Ala
 200 205 210
 Gln Glu Arg Leu Arg Pro Leu Gly Leu Leu Val Ala Met Lys Glu
 215 220 225
 Ser Leu Leu Leu Ser Glu Gln Lys Thr Ser Leu Pro
 230 235

<210> 49

<211> 170

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7515714CD1

<400> 49

Met Pro Val Pro Ala Ser Trp Pro His Pro Pro Gly Pro Phe Leu
 1 5 10 15
 Leu Leu Thr Leu Leu Leu Gly Leu Thr Glu Val Ala Gly Glu Glu
 20 25 30
 Glu Leu Gln Met Ile Gln Pro Glu Lys Leu Leu Val Thr Val
 35 40 45
 Gly Lys Thr Ala Thr Leu His Cys Thr Val Thr Ser Leu Leu Pro
 50 55 60
 Val Gly Pro Val Leu Trp Phe Arg Gly Val Gly Pro Gly Arg Glu
 65 70 75
 Leu Ile Tyr Asn Gln Lys Glu Gly His Phe Pro Arg Val Thr Thr
 80 85 90
 Val Ser Asp Leu Thr Lys Arg Asn Asn Met Asp Phe Ser Ile Arg
 95 100 105
 Ile Ser Ser Ile Thr Pro Ala Asp Val Gly Thr Tyr Tyr Cys Val
 110 115 120
 Lys Phe Arg Lys Gly Ser Pro Glu Asn Val Glu Phe Lys Ser Gly
 125 130 135
 Pro Gly Thr Glu Met Ala Leu Gly Ala Pro Ser Phe Leu Pro Cys
 140 145 150
 His Val Gly Pro Ser Ser Leu Leu Pro Pro Ser Phe Pro Glu Arg
 155 160 165
 Leu Ser Leu Arg Glu
 170

<210> 50

<211> 968

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2847449CB1

<400> 50

tgagattcct cactgtcctc tgagagagaa gagctactgg gcccattccaa aagacagtct 60
 gcacctggaa ctcggcaccc aggaggtcac ccctgcagga cctgttagagg agcctgtgtc 120
 ctgggtggct taggtggctg cattactgga tcgagatgac cacagccacc cctctggggg 180
 ataccacctt cttctcaactg aacatgacca ccaggggaga agacttccctg tataagagt 240
 ctggagccat tggctgtgcc attgtggtgg ttgtcatcat catcttcacc gtggttctga 300
 tcctgtgaa gatgtacaac aggaaaatga ggacgaggcg ggaactagag cccaagggcc 360
 ccaagccaaac cggcccttct gccgtgggcc caaacagcaa cggcagccaa caccagc 420
 ctgtgacctt cagtctgtt gacgtccagg tggagacgctg atgacctcta ccctggcgct 480
 atctccacca ctgtccaaag agcctctcca gagtcaagac ccagaggcac actctctggc 540

agcttcacaa tgagcttctt ctggtcaggt cgacagagac atctttgacg caatctctga 600
 tgcttccagc aatcctcaac cttgtctgcc ctgccttacc ccaactgtgt ccacatccct 660
 gcccccaccc caccaaaaag ctgcagaaca ttctttgtc atctgatgag gtagagctat 720
 gttggaaatc caccatgtg ggcttggctt tcccccacac ttagtttgcg cagatagaca 780
 gatagcccag gagccagggtg tcagggagca ctgctgagag tatcacaata ggtatgtca 840
 cggggttcat atcagatgaa gcgcgtatc cactgcttca cagagcaaaa cattcaatcc 900
 cataaccagg cacagggaa ctaacttgga ctaactaacc agaaaacctt gttAACgtat 960
 aacttggttt 968

<210> 51
 <211> 1891
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523642CB1

<400> 51
 tagtgtctgc ccccccacctt ccagtatccc ctgatatgca gcatgaatga aaatggcaag 60
 tttcctggcc ttccttctgc tcaactttcg tgcgtgcctc ctttgcctc agctgctcat 120
 gcctcactca ggttagggAAC aattccacgc ttgtttctga agcagacaat tacctaatta 180
 tgcctcata ggactttga ctcccttccca aacctaagt ccattcccgat ctgaagggtt 240
 acccgtcact aagagacaaa tggtgcttct gttaaagatca gttttcccca ccagtttctt 300
 tgcgtcgc cttccctgtc tgagaaacac cttccctctc atgaccccaa ctccaaaacc 360
 ctctgacaga tcctccccct tgccttgcata gctcagtctt ctgtgcttgg accctctggg 420
 cccatcctgg ccatgggtgg tgaagacgct gatctgcctt gtcacctgtt cccgaccatg 480
 agtgcagaga ccatggagct gaagtgggtg agttccagcc taaggcaggt ggtgaacgtg 540
 tatgcagatg gaaagaagt ggaagacagg cagagtgcac cgtatcgagg gagaacttcg 600
 attctgcggg atggcatcac tgcagggaa gctgctctcc gatatacttcaaaaatcc 660
 tctgacagtg gaaagactt gtgttatctc caagatgggtg gatatacttcaaaaatcc 720
 gtggagctga aggttgcagc actgggttct gatcttcacg ttgatgtgaa gggttacaag 780
 gatggaggga tccatctgga gtgcagggtcc actggctgtt acccccaacc cccaaatacag 840
 tggagcaaca acaagggaga gaacatcccg actgtggaag caccctgtt tgccacacgg 900
 gtgggcctgt atgcagtagc agcatctgtg atcatgagag gtagctctgg ggagggtgt 960
 tcctgtacca tcagaagttc ctcctctggc ctggaaaaga cagccagcat ttccatcgca 1020
 gacccttct tcaggagcgc ccagagggtt atcccccggc tggcaggagc cctgcccagtc 1080
 ttgcgtctgc ttctttgggg agccgggtac ttccctgtgc aacagcagga gggaaaaaaaag 1140
 actcgttca gaaagaaaaa gagagagacaa gagttgagag aaatggcatg ggcacaaatg 1200
 aagcaagaac aaagcacaag agtgaagtc ctggaggaaat tcagatggag aagtatccag 1260
 tatgcatctc gggggagag acattcagcc tataatgaat gggaaaaaggc cctcttcaag 1320
 cttgcggatg tgattctgga tccaaaaaaca gcaaaacccc ttctccttgc ttctgaggac 1380
 cagaggatgt tgccgtgc caaggagcccc caggatctgc cagacaaccc tgagagattt 1440
 aattggcatt attgttctc cggctgtgag agttcatat cagggagaca ttactgggg 1500
 gtggaggttag gggacaggaa agatggcat ataggggtgt gcaagtaagaa tgcacacgg 1560
 aaaggctggg tcaaaatgac acctgagaat ggattctgga ctatggggct gactgtggg 1620
 aataagtatc ggactctaac tgagcccaga accaaccctga aacttcctaa gccccctaag 1680
 aaagtggggg tcttcctgga ctatgagact ggagatatct cattctacaa tgctgtggat 1740
 ggatcgataa ttctacttt cctggacgac tccttctctg aggctctata tcctgttttc 1800
 agaattttga ctttggagcc cacggccctg actatttgc cagcgtaaaa agaagaagag 1860
 agttcctcca attctgaccg agtgcgtatc a 1891

<210> 52
 <211> 1171
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7521994CB1

<400> 52
 tccgcctcag agatgctacc gctgctgctg cccctgctgt gggcagccctc gtactatgg 60

tatggctact ggtcctgga aggggctgat gttccagtgg ccacaaaacga cccagacgaa 120
 gaagtgcagg aggagacccg gggccgatc cacccctct gggatcccag aaggaagaac 180
 tgccctgta gcatcagaga tgcccgagg agggacaatg ctgcatactt cttcggttg 240
 aagtccaaat ggatgaaata cggttatgca tcttccaagc tctctgtcg tgtgatgggg 300
 accctggagt ctggccatcc cagcaatctg acctgctcg tgccctgggt ctgtgacg 360
 gggacgccccccatctc ctggatgtca gctgccccca cctccctggg ccccaggac 420
 acccagtccctcggtcac aatcaccctc cggcccccagg accacagcac caacctcacc 480
 tgtcaggtga cggtccctgg agccgggtgt accatggaga gaaccatcca gctcaatgtc 540
 tcctccctca aaatcctgca aaacacctcg tccctccctg tcctggaggg ccaggctctg 600
 cggctgctctgtatgctga cggcaacccccctgcacacc tgagctgggtt ccagggcttc 660
 cccgcccgtga acgccacccc catctccaaat accgggggtcc tggagctgcc tcaagtaggg 720
 tctgcagaag aaggagattt cacctgcgt gctcagcatc ctctgggctc cctgcaaatc 780
 tctctgagtc tctttgtgca ttggaaacca gaaggcaggg ctgggtgtt cctgggagca 840
 gtctggggag cttagcatcac aaccctgggtt tccctctgtg tttgtttcat cttcagagtg 900
 aagactagaa ggaagaaaagc agcccaagcca gtgcaaaaaca cggatgatgt gaaccccgtc 960
 atggtctcag gctccagggg tcatcagcac cagttccaga caggcatagt tttagaccac 1020
 cctgctgagg ctggcccccattcagaagat gagcaggagc tccactacgc tgcctacac 1080
 ttccacaagg tgcaacctca ggaacccaaag gtcaccgaca ctgagtactc agaaatcaag 1140
 atacacaagt gaggaaattgt ccaaagccat a 1171

<210> 53
 <211> 638
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522289CB1

<400> 53
 ttatgccatc gccatcaact atgaccctaaat ggagggccac gtctactgga cggatgacga 60
 ggtgtggcc atcccgaggc catacctgga tgggtctggg ggcgcagacgc tcatcaacac 120
 caagatcaac gaccccgatg acatcgact caactgggtg gcccgaagcc tctattggac 180
 ccacacaggc actgaacaca tcgaggtgac gtgcctcaac agcacccccc acaagatcct 240
 ggtgtcagag gacatggacg agcccccgtgc cattgcactg catcccggaga tggggcgatc 300
 agtgtcgatg agacgaagag gcagaccctc ctgaaggaca agctccaca cattttcagg 360
 ttcaccctgc tggggactt catctactgg accgcctggc agcaccacag catcaagcgg 420
 gtacacaagg tcaagccaa ccgggacgtc atcattgacc agctgcccga cctgatgggg 480
 ctcggaaactg tgaacgtgga caaggtcgac ggaaccaacc ctcatgcgga caggaatggg 540
 ggtgcagccaa cctgtgcttc ttcacgcccc acacaacccg gtttggctgc cccatctagg 600
 gcttggaaact gctgagtgac atgaagacccat gcatcata 638

<210> 54
 <211> 571
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522336CB1

<400> 54
 tatgcaagat gaagaaaagat acatgacattt gaatgtacag tcaaagaaaa ggagttctgc 60
 ccaaacatct caacttacat ttaaagatta ttcagtgacg ttgcactggat taaaatctt 120
 actggaaata tctggaaaccg tgaatggat tctcactttt actttgatct ccttgcaccc 180
 gttgggttctt cagggaggat tgcataaaatg caaaaaaggaa agttgttcaa atgcccactca 240
 gtatgaggac actggagatc taaaagtgaa taatggacca agaagaaaata taagtaataa 300
 ggacctttgt gcttcgagat ctgcagacca gacaggctt tatacagaaa aacctaagac 360
 aattaaacta cgtatggatt gggcttaact ttacctccctt gaaaatgaca tggacttggg 420
 tggatggttc tccaaatagat tcaaagat tcttcataaa gggaccagct aaaaacaca 480
 gctgtgctgc cattaaggaa agcaaaaattt tctctgaaac ctgcagcagt gtttcaaatt 540
 ggatttgcata gtatttagat ttgacaaaaat a 571

<210> 55
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522339CB1

<400> 55
 tacacagaaa tggggactgc gagcagaagc aacatcgctc gccatctgca aaccaatctc 60
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 cttgtatcac tgctctctgt ctatgtgacc ggtgtgtgcg tggccttcat actcctctcc 180
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<220>
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<213> Homo sapiens

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<223> Incyte ID No: 7524965CB1

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<220>
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